

PSJ1 Exh 34

Appendix 14

Exhibit
0011

A. Combination Red Flagged Prescriptions – Red Flag Computation 1-16 Summary and Chart

Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	164,698	1,399,920
Opioid Prescriptions	125,994	774,690

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	164,698	100.0%	11.8%
Red Flag Computation 1	2,889	2.3%	0.4%
Red Flag Computation 2	29,231	23.2%	3.8%
Red Flag Computation 3	21,885	17.4%	2.8%
Red Flag Computation 4	6,221	4.9%	0.8%
Red Flag Computation 5	21,386	13.0%	1.5%
Red Flag Computation 6	6,262	3.8%	0.4%
Red Flag Computation 7	89,220	54.2%	6.4%
Red Flag Computation 8	61,969	37.6%	4.4%
Red Flag Computation 9	4,768	3.8%	0.6%
Red Flag Computation 10	4,148	3.3%	0.5%
Red Flag Computation 11	3,138	2.5%	0.4%
Red Flag Computation 12	7,075	5.6%	0.9%
Red Flag Computation 13	19,624	15.6%	2.5%
Red Flag Computation 14	3,450	2.7%	0.4%
Red Flag Computation 15	38,025	30.2%	4.9%
Red Flag Computation 16	5,692	4.5%	0.7%

Notes:

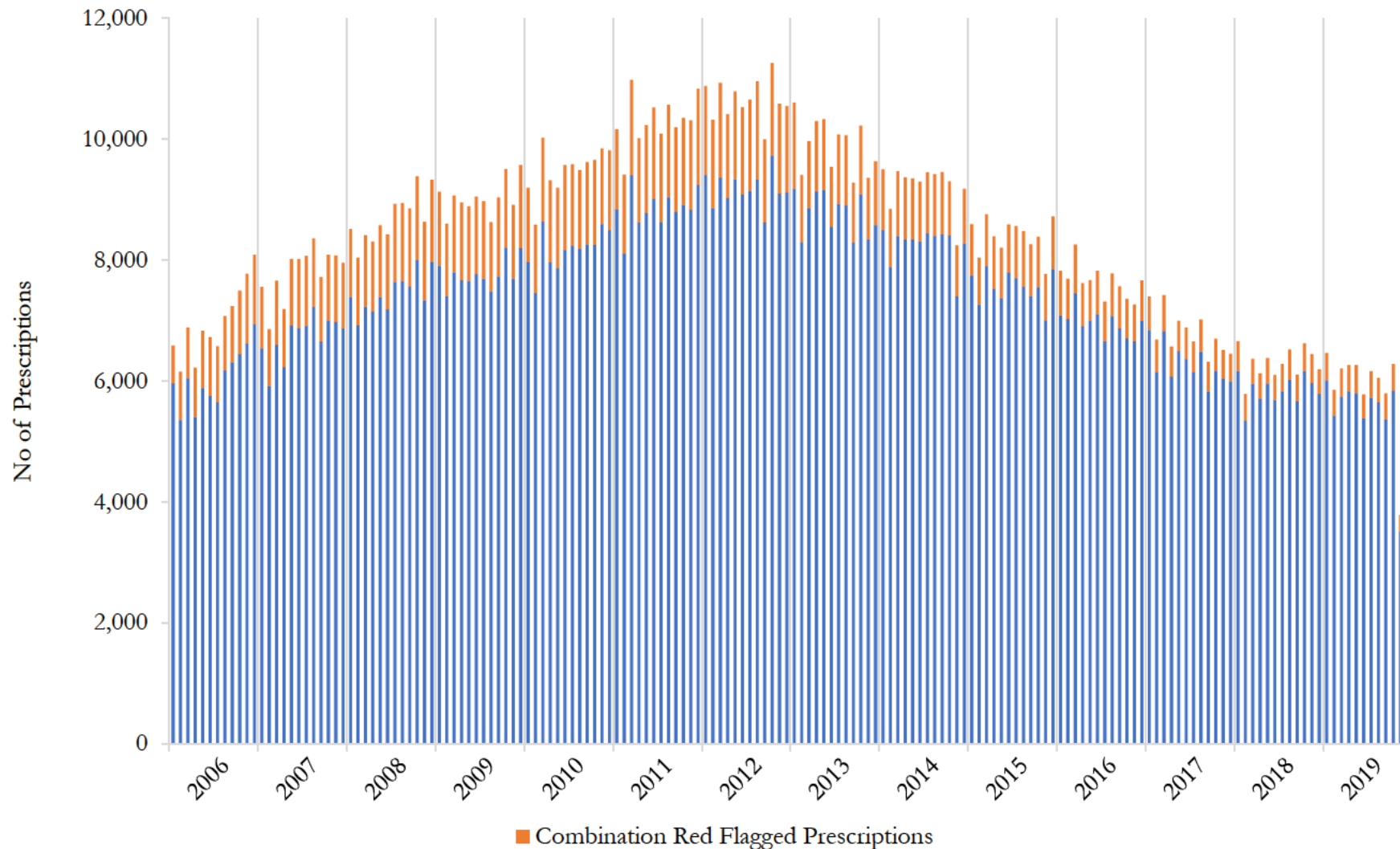
¹ I summarize the 164,698 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

² **Defendant**

Date Range

CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

**Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County, OH**

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	56,913	596,575
Opioid Prescriptions	45,795	325,813

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	56,913	100.0%	9.5%
Red Flag Computation 1	1,791	3.9%	0.5%
Red Flag Computation 2	13,128	28.7%	4.0%
Red Flag Computation 3	7,742	16.9%	2.4%
Red Flag Computation 4	2,710	5.9%	0.8%
Red Flag Computation 5	7,102	12.5%	1.2%
Red Flag Computation 6	1,708	3.0%	0.3%
Red Flag Computation 7	27,418	48.2%	4.6%
Red Flag Computation 8	17,163	30.2%	2.9%
Red Flag Computation 9	1,815	4.0%	0.6%
Red Flag Computation 10	1,000	2.2%	0.3%
Red Flag Computation 11	639	1.4%	0.2%
Red Flag Computation 12	1,936	4.2%	0.6%
Red Flag Computation 13	5,401	11.8%	1.7%
Red Flag Computation 14	1,246	2.7%	0.4%
Red Flag Computation 15	12,859	28.1%	3.9%
Red Flag Computation 16	3,106	6.8%	1.0%

Notes:

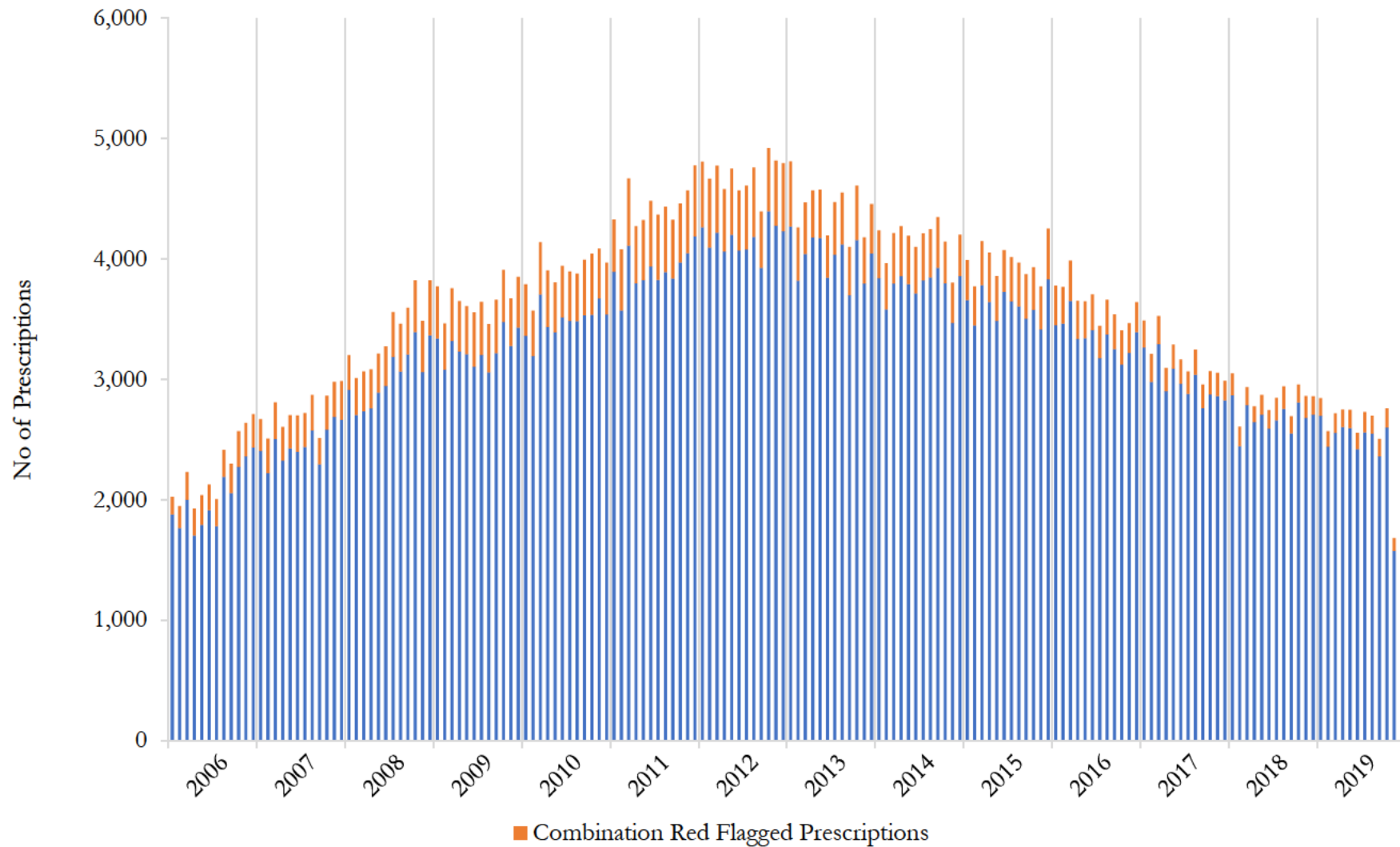
¹ I summarize the 56,913 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

² **Defendant**

Date Range

CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Lake County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

**Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Trumbull County, OH**

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	107,785	803,345
Opioid Prescriptions	80,199	448,877

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-16	107,785	100.0%	13.4%
Red Flag Computation 1	1,098	1.4%	0.2%
Red Flag Computation 2	16,103	20.1%	3.6%
Red Flag Computation 3	14,143	17.6%	3.2%
Red Flag Computation 4	3,511	4.4%	0.8%
Red Flag Computation 5	14,284	13.3%	1.8%
Red Flag Computation 6	4,554	4.2%	0.6%
Red Flag Computation 7	61,802	57.3%	7.7%
Red Flag Computation 8	44,806	41.6%	5.6%
Red Flag Computation 9	2,953	3.7%	0.7%
Red Flag Computation 10	3,148	3.9%	0.7%
Red Flag Computation 11	2,499	3.1%	0.6%
Red Flag Computation 12	5,139	6.4%	1.1%
Red Flag Computation 13	14,223	17.7%	3.2%
Red Flag Computation 14	2,204	2.7%	0.5%
Red Flag Computation 15	25,166	31.4%	5.6%
Red Flag Computation 16	2,586	3.2%	0.6%

Notes:

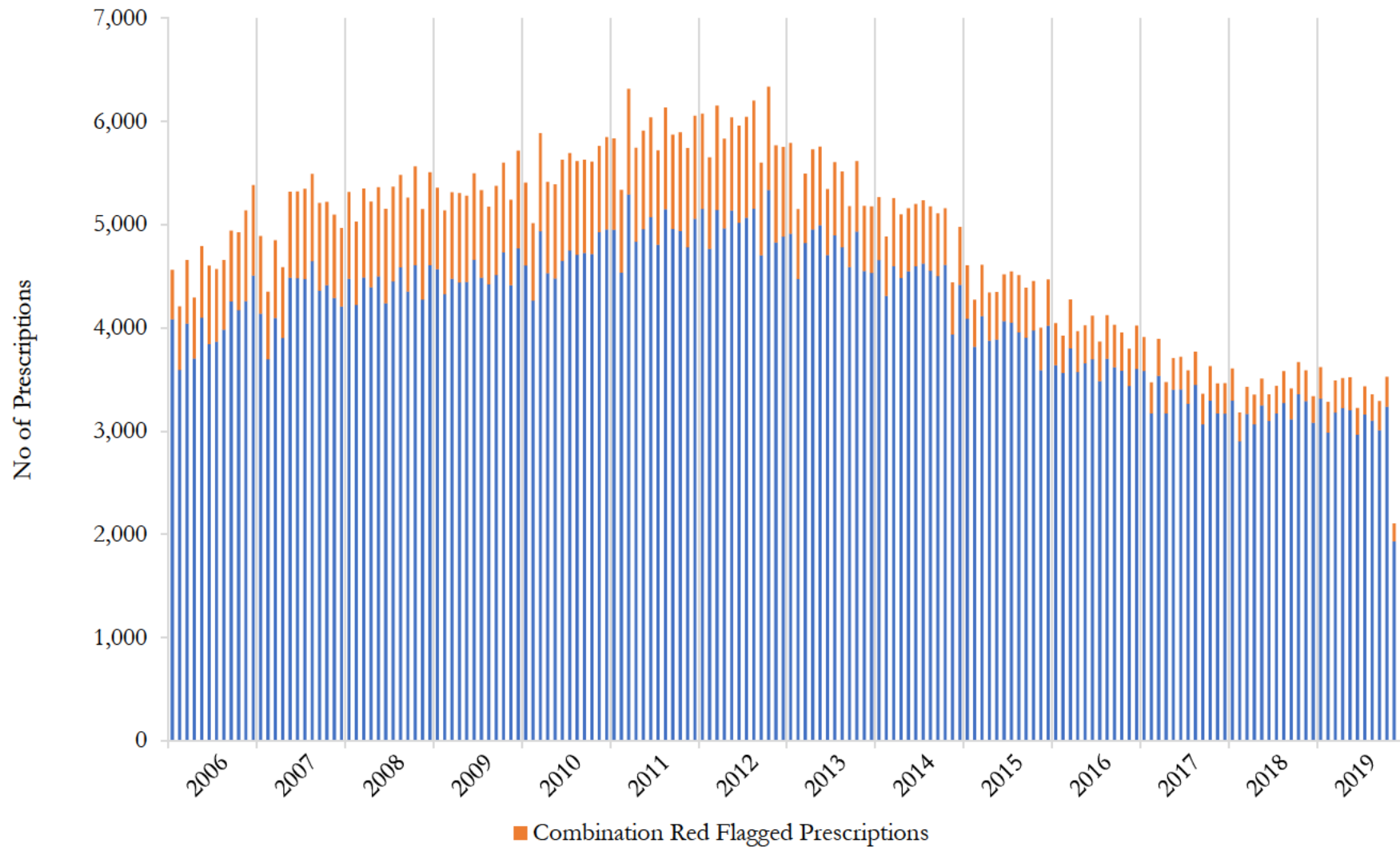
¹ I summarize the 107,785 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

² **Defendant**

Date Range

CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

B. Combination Red Flagged Prescriptions – Red Flag Computation 1-16 Summary by Year

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 1	2,889 2.29%	188 2.18%	231 2.34%	197 1.69%	219 1.87%	227 1.86%	343 2.55%	315 2.30%	251 2.50%	287 3.28%	192 2.54%	114 1.83%	115 2.50%	107 2.65%	103 2.85%
Red Flag Computation 2	29,231 23.20%	2,137 24.80%	2,207 22.34%	2,359 20.26%	2,316 19.78%	2,389 19.53%	2,864 21.31%	2,598 18.99%	2,529 25.20%	2,455 28.03%	2,226 29.50%	1,777 28.58%	1,322 28.73%	1,135 28.12%	917 25.41%
Red Flag Computation 3	21,885 17.37%	1,460 16.95%	1,685 17.06%	2,110 18.12%	2,052 17.53%	2,069 16.92%	2,403 17.88%	2,412 17.63%	1,902 18.95%	1,528 17.45%	1,266 16.78%	1,056 16.99%	761 16.54%	636 15.76%	545 15.10%
Red Flag Computation 4	6,221 4.94%	339 3.93%	537 5.44%	516 4.43%	577 4.93%	566 4.63%	605 4.50%	683 4.99%	548 5.46%	511 5.84%	449 5.95%	331 5.32%	203 4.41%	194 4.81%	162 4.49%
Red Flag Computation 5	21,386 12.98%	1,356 12.21%	1,697 13.21%	1,741 11.66%	1,961 12.97%	2,052 12.97%	2,541 14.56%	2,423 13.68%	2,040 15.17%	1,559 13.27%	1,208 11.98%	1,051 12.68%	726 11.75%	599 11.23%	432 9.32%
Red Flag Computation 6	6,262 3.80%	331 2.98%	648 5.04%	640 4.29%	676 4.47%	728 4.60%	862 4.94%	689 3.89%	599 4.45%	386 3.29%	296 2.94%	209 2.52%	106 1.72%	58 1.09%	34 0.73%
Red Flag Computation 7	89,220 54.17%	5,879 52.95%	6,789 52.85%	7,495 50.19%	7,818 51.72%	8,241 52.09%	9,133 52.34%	9,189 51.88%	7,658 56.93%	6,862 58.42%	5,976 59.27%	4,881 58.89%	3,721 60.22%	3,152 59.11%	2,426 52.33%
Red Flag Computation 8	61,969 37.63%	3,831 34.50%	4,697 36.56%	5,272 35.31%	5,398 35.71%	5,735 36.25%	6,287 36.03%	6,358 35.89%	5,348 39.76%	4,793 40.81%	4,300 42.65%	3,432 41.41%	2,611 42.26%	2,183 40.94%	1,724 37.19%
Red Flag Computation 9	4,768 3.78%	194 2.25%	309 3.13%	304 2.61%	308 2.63%	320 2.62%	493 3.67%	365 2.67%	384 3.83%	459 5.24%	496 6.57%	382 6.14%	263 5.71%	293 7.26%	198 5.49%
Red Flag Computation 10	4,148 3.29%	485 5.63%	353 3.57%	224 1.92%	210 1.79%	256 2.09%	283 2.11%	227 1.66%	197 1.96%	190 2.17%	226 3.00%	137 2.20%	98 2.13%	52 1.29%	1,210 33.53%
Red Flag Computation 11	3,138 2.49%	485 5.63%	353 3.57%	224 1.92%	210 1.79%	256 2.09%	283 2.11%	227 1.66%	197 1.96%	190 2.17%	226 3.00%	137 2.20%	98 2.13%	52 1.29%	200 5.54%
Red Flag Computation 12	7,075 5.62%	475 5.51%	637 6.45%	685 5.88%	739 6.31%	705 5.76%	798 5.94%	1,002 7.32%	560 5.58%	463 5.29%	326 4.32%	122 1.96%	131 2.85%	169 4.19%	263 7.29%
Red Flag Computation 13	19,624 15.58%	1,670 19.38%	2,081 21.07%	2,603 22.36%	2,557 21.84%	2,817 23.03%	3,323 24.73%	3,503 25.60%	503 5.01%	165 1.88%	119 1.58%	59 0.95%	49 1.06%	80 1.98%	95 2.63%
Red Flag Computation 14	3,450 2.74%	231 2.68%	405 4.10%	499 4.29%	454 3.88%	465 3.80%	458 3.41%	391 2.86%	316 3.15%	231 2.64%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	38,025 30.18%	2,503 29.05%	3,193 32.33%	3,617 31.07%	3,564 30.44%	3,619 29.59%	3,982 29.63%	3,987 29.14%	3,326 33.14%	2,642 30.17%	1,979 26.23%	1,809 29.10%	1,474 32.03%	1,305 32.33%	1,025 28.40%
Red Flag Computation 16	5,692 4.52%	0 0.00%	52 0.53%	1,458 12.52%	1,017 8.69%	898 7.34%	473 3.52%	847 6.19%	426 4.25%	297 3.39%	107 1.42%	79 1.27%	18 0.39%	18 0.45%	2 0.06%
Flagged for Any of the Red Flag Computation 1-16	164,698 100.00%	11,103 100.00%	12,846 100.00%	14,932 100.00%	15,117 100.00%	15,821 100.00%	17,450 100.00%	17,713 100.00%	13,452 100.00%	11,746 100.00%	10,083 100.00%	8,288 100.00%	6,179 100.00%	5,332 100.00%	4,636 100.00%

NotesDefendant

CVS
 Giant Eagle/HBC
 Rite Aid
 Walgreens
 Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
 January 1, 2006 to December 3, 2019
 January 1, 2006 to November 19, 2019
 January 3, 2006 to January 3, 2020
 January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 1	181,641 2.09%	12,013 2.15%	14,551 2.21%	13,242 1.65%	13,228 1.63%	12,796 1.53%	21,468 2.25%	20,792 2.13%	13,727 1.90%	16,060 2.65%	11,754 2.34%	8,282 1.92%	7,762 2.39%	6,977 2.54%	8,989 3.58%
Red Flag Computation 2	1,633,487 18.77%	118,961 21.34%	125,930 19.15%	141,517 17.66%	137,626 16.98%	135,708 16.19%	166,715 17.50%	146,964 15.06%	132,754 18.39%	118,880 19.58%	101,706 20.29%	99,486 23.11%	82,355 25.40%	69,307 25.24%	55,578 22.13%
Red Flag Computation 3	1,402,869 16.12%	91,142 16.35%	109,361 16.63%	138,559 17.29%	140,089 17.28%	133,441 15.92%	159,719 16.77%	158,746 16.27%	121,563 16.84%	94,550 15.57%	73,933 14.75%	67,022 15.57%	47,238 14.57%	37,428 13.63%	30,078 11.97%
Red Flag Computation 4	479,467 5.51%	22,813 4.09%	36,642 5.57%	37,987 4.74%	43,721 5.39%	40,049 4.78%	48,205 5.06%	52,538 5.38%	41,364 5.73%	43,981 7.24%	36,389 7.26%	29,454 6.84%	16,691 5.15%	16,534 6.02%	13,099 5.21%
Red Flag Computation 5	1,579,447 14.38%	95,547 13.45%	119,485 14.31%	130,460 13.08%	157,986 15.37%	150,246 14.26%	196,096 16.46%	185,184 15.26%	155,679 16.88%	118,002 15.02%	85,435 13.37%	75,126 13.84%	47,142 11.49%	36,656 10.67%	26,403 8.59%
Red Flag Computation 6	477,568 4.35%	24,934 3.51%	43,755 5.24%	47,574 4.77%	56,538 5.50%	57,698 5.47%	67,102 5.63%	51,518 4.24%	47,888 5.19%	31,777 4.05%	22,189 3.47%	15,602 2.87%	6,122 1.49%	3,459 1.01%	1,412 0.46%
Red Flag Computation 7	6,136,126 55.88%	394,089 55.46%	459,158 54.99%	526,268 52.76%	559,872 54.47%	574,837 54.54%	646,373 54.26%	641,825 52.88%	529,162 57.38%	474,844 60.45%	397,240 62.16%	326,202 60.08%	246,284 60.03%	202,867 59.07%	157,105 51.14%
Red Flag Computation 8	4,274,509 38.93%	265,139 37.31%	320,851 38.43%	363,670 36.46%	389,660 37.91%	401,482 38.09%	436,257 36.62%	442,561 36.46%	367,201 39.82%	337,496 42.96%	285,364 44.65%	228,558 42.10%	173,334 42.25%	144,930 42.20%	118,006 38.41%
Red Flag Computation 9	333,147 3.83%	13,422 2.41%	18,620 2.83%	22,685 2.83%	25,252 3.12%	26,050 3.11%	42,997 4.51%	30,423 3.12%	29,062 4.03%	27,990 4.61%	30,639 6.11%	24,610 5.72%	15,194 4.69%	14,889 5.42%	11,314 4.50%
Red Flag Computation 10	338,426 3.89%	43,079 7.73%	30,290 4.61%	17,293 2.16%	17,726 2.19%	15,490 1.85%	20,692 2.17%	16,351 1.68%	19,206 2.66%	15,544 2.56%	17,333 3.46%	11,306 2.63%	8,580 2.65%	3,528 1.28%	102,008 40.61%
Red Flag Computation 11	248,228 2.85%	43,079 7.73%	30,290 4.61%	17,293 2.16%	17,726 2.19%	15,490 1.85%	20,692 2.17%	16,351 1.68%	19,206 2.66%	15,544 2.56%	17,333 3.46%	11,306 2.63%	8,580 2.65%	3,528 1.28%	11,810 4.70%
Red Flag Computation 12	551,602 6.34%	25,169 4.51%	43,928 6.68%	52,647 6.57%	51,246 6.32%	53,861 6.43%	60,535 6.36%	78,295 8.02%	51,124 7.08%	43,803 7.22%	30,216 6.03%	9,271 2.15%	10,481 3.23%	16,032 5.84%	24,994 9.95%
Red Flag Computation 13	1,296,762 14.90%	88,139 15.81%	128,185 19.50%	178,928 22.32%	169,874 20.96%	178,921 21.35%	221,555 23.26%	242,863 24.89%	40,393 5.60%	12,751 2.10%	10,450 2.08%	4,957 1.15%	4,210 1.30%	6,342 2.31%	9,194 3.66%
Red Flag Computation 14	326,967 3.76%	21,966 3.94%	39,080 5.94%	48,541 6.06%	41,776 5.15%	41,527 4.95%	43,499 4.57%	39,311 4.03%	29,595 4.10%	21,672 3.57%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	3,162,783 36.34%	197,737 35.47%	251,716 38.28%	305,341 38.09%	304,971 37.62%	305,964 36.50%	340,710 35.77%	360,055 36.90%	289,479 40.10%	227,258 37.43%	157,103 31.34%	144,045 33.46%	113,517 35.02%	92,076 33.54%	72,811 28.99%
Red Flag Computation 16	231,407 2.66%	0 0.00%	2,843 0.43%	71,195 8.88%	46,600 5.75%	35,716 4.26%	16,915 1.78%	28,246 2.89%	15,139 2.10%	9,197 1.51%	2,659 0.53%	1,847 0.43%	318 0.10%	682 0.25%	50 0.02%
Flagged for Any of the Red Flag Computation 1-16	10,980,502 100.00%	710,606 100.00%	834,993 100.00%	997,504 100.00%	1,027,769 100.00%	1,053,967 100.00%	1,191,147 100.00%	1,213,832 100.00%	922,252 100.00%	785,567 100.00%	639,045 100.00%	542,914 100.00%	410,238 100.00%	343,451 100.00%	307,217 100.00%

NotesDefendant

CVS
 Giant Eagle/HBC
 Rite Aid
 Walgreens
 Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
 January 1, 2006 to December 3, 2019
 January 1, 2006 to November 19, 2019
 January 3, 2006 to January 3, 2020
 January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 1	2,400,915 2.05%	129,125 1.49%	162,508 1.88%	162,205 1.56%	176,093 1.65%	163,153 1.50%	309,418 2.53%	330,380 2.72%	221,170 2.37%	216,103 2.61%	133,945 1.76%	98,406 1.60%	94,298 1.99%	93,960 2.40%	110,153 3.30%
Red Flag Computation 2	21,191,385 18.12%	1,773,992 20.45%	1,600,904 18.48%	1,856,424 17.88%	1,733,657 16.20%	1,561,764 14.38%	2,112,389 17.26%	2,104,344 17.33%	1,641,905 17.63%	1,405,518 17.00%	1,170,422 15.38%	1,201,507 19.54%	1,187,354 25.12%	1,090,833 27.88%	750,372 22.48%
Red Flag Computation 3	21,012,270 17.96%	1,527,694 17.61%	1,697,260 19.59%	2,118,781 20.41%	2,169,774 20.28%	1,892,178 17.42%	2,353,582 19.23%	2,375,257 19.57%	1,693,540 18.18%	1,317,274 15.94%	1,093,962 14.38%	945,999 15.39%	805,868 17.05%	600,727 15.36%	420,376 12.60%
Red Flag Computation 4	7,884,630 6.74%	431,464 4.97%	735,881 8.49%	661,648 6.37%	722,119 6.75%	695,471 6.40%	838,266 6.85%	851,492 7.01%	738,094 7.92%	653,540 7.91%	479,163 6.30%	359,759 5.85%	260,621 5.51%	258,032 6.60%	199,083 5.97%
Red Flag Computation 5	13,408,620 11.46%	910,410 10.49%	791,937 9.14%	978,220 9.42%	1,577,045 14.74%	1,320,293 12.16%	1,651,996 13.50%	1,449,139 11.94%	1,124,182 12.07%	999,975 12.10%	764,000 10.04%	576,330 9.37%	415,717 8.79%	515,309 13.17%	334,068 10.01%
Red Flag Computation 6	3,070,248 2.62%	176,548 2.03%	186,397 2.15%	183,453 1.77%	357,233 3.34%	431,787 3.98%	551,664 4.51%	318,303 2.62%	305,500 3.28%	261,585 3.16%	128,336 1.69%	100,795 1.64%	42,515 0.90%	17,185 0.44%	8,950 0.27%
Red Flag Computation 7	59,193,819 50.60%	4,077,151 46.99%	4,150,347 47.90%	4,623,359 44.54%	5,331,527 49.83%	5,508,065 50.71%	6,232,900 50.93%	5,908,245 48.67%	4,981,355 53.48%	4,719,892 57.10%	4,475,564 58.82%	3,315,275 53.92%	2,431,861 51.45%	2,016,291 51.54%	1,421,990 42.61%
Red Flag Computation 8	33,158,422 28.35%	2,251,011 25.94%	2,438,811 28.15%	2,492,112 24.01%	2,800,495 26.17%	3,241,877 29.85%	3,622,533 29.60%	3,296,397 27.15%	2,809,465 30.17%	2,612,765 31.61%	2,517,612 33.09%	1,874,780 30.49%	1,298,020 27.46%	1,018,537 26.04%	884,008 26.49%
Red Flag Computation 9	4,874,088 4.17%	249,351 2.87%	288,322 3.33%	244,890 2.36%	279,074 2.61%	337,065 3.10%	647,988 5.29%	394,093 3.25%	411,313 4.42%	389,634 4.71%	489,388 6.43%	425,456 6.92%	283,661 6.00%	269,408 6.89%	164,448 4.93%
Red Flag Computation 10	21,948,821 18.76%	2,549,722 29.39%	1,571,878 18.14%	1,877,330 18.09%	2,042,150 19.09%	1,873,814 17.25%	2,121,302 17.33%	1,657,544 13.65%	1,459,790 15.67%	1,422,147 17.21%	1,640,394 21.56%	890,799 14.49%	558,180 11.81%	282,440 7.22%	2,001,331 59.97%
Red Flag Computation 11	20,497,938 17.52%	2,549,722 29.39%	1,571,878 18.14%	1,877,330 18.09%	2,042,150 19.09%	1,873,814 17.25%	2,121,302 17.33%	1,657,544 13.65%	1,459,790 15.67%	1,422,147 17.21%	1,640,394 21.56%	890,799 14.49%	558,180 11.81%	282,440 7.22%	550,448 16.49%
Red Flag Computation 12	4,908,563 4.20%	196,595 2.27%	363,845 4.20%	454,288 4.38%	433,220 4.05%	487,595 4.49%	529,948 4.33%	654,988 5.40%	442,650 4.75%	402,973 4.88%	313,543 4.12%	81,195 1.32%	103,910 2.20%	166,778 4.26%	277,038 8.30%
Red Flag Computation 13	10,777,933 9.21%	687,455 7.92%	1,043,116 12.04%	1,443,424 13.91%	1,376,000 12.86%	1,527,110 14.06%	1,888,750 15.43%	1,977,248 16.29%	343,208 3.69%	118,788 1.44%	112,183 1.47%	39,538 0.64%	42,834 0.91%	70,750 1.81%	107,533 3.22%
Red Flag Computation 14	2,467,666 2.11%	158,155 1.82%	292,100 3.37%	364,250 3.51%	314,593 2.94%	328,653 3.03%	332,115 2.71%	292,710 2.41%	226,043 2.43%	159,049 1.92%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	60,944,306 52.10%	4,613,805 53.17%	4,567,887 52.72%	5,668,292 54.61%	5,928,271 55.41%	5,628,954 51.82%	6,109,470 49.92%	6,134,271 50.53%	4,944,783 53.09%	4,413,716 53.40%	3,935,708 51.73%	3,208,550 52.18%	2,451,178 51.85%	2,050,801 52.42%	1,288,621 38.61%
Red Flag Computation 16	1,989,795 1.70%	0 0.00%	21,490 0.25%	654,134 6.30%	415,958 3.89%	285,054 2.62%	138,164 1.13%	232,146 1.91%	116,767 1.25%	81,893 0.99%	21,746 0.29%	13,148 0.21%	2,826 0.06%	6,170 0.16%	300 0.01%
Flagged for Any of the Red Flag Computation 1-16	116,972,378 100.00%	8,676,733 100.00%	8,663,788 100.00%	10,379,839 100.00%	10,699,454 100.00%	10,861,712 100.00%	12,238,692 100.00%	12,139,320 100.00%	9,313,615 100.00%	8,265,486 100.00%	7,608,837 100.00%	6,148,491 100.00%	4,727,080 100.00%	3,911,900 100.00%	3,337,431 100.00%

NotesDefendant

CVS
 Giant Eagle/HBC
 Rite Aid
 Walgreens
 Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
 January 1, 2006 to December 3, 2019
 January 1, 2006 to November 19, 2019
 January 3, 2006 to January 3, 2020
 January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary Lake County, OH

Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 1	1,791 3.91%	85 3.73%	132 4.87%	100 2.82%	100 2.44%	120 2.90%	206 4.14%	205 3.92%	162 4.08%	210 5.74%	145 4.14%	81 2.90%	89 4.56%	91 5.71%	65 4.74%
Red Flag Computation 2	13,128 28.67%	788 34.61%	829 30.56%	981 27.71%	998 24.38%	988 23.92%	1,287 25.90%	1,212 23.18%	1,209 30.43%	1,222 33.41%	1,240 35.40%	913 32.71%	635 32.51%	501 31.45%	325 23.71%
Red Flag Computation 3	7,742 16.91%	456 20.03%	483 17.80%	584 16.50%	737 18.01%	686 16.61%	796 16.02%	874 16.71%	800 20.14%	647 17.69%	557 15.90%	409 14.65%	277 14.18%	217 13.62%	219 15.97%
Red Flag Computation 4	2,710 5.92%	108 4.74%	161 5.93%	171 4.83%	267 6.52%	269 6.51%	270 5.43%	365 6.98%	264 6.64%	178 4.87%	222 6.34%	166 5.95%	113 5.79%	89 5.59%	67 4.89%
Red Flag Computation 5	7,102 12.48%	367 13.19%	446 13.14%	493 11.29%	644 12.77%	688 13.31%	813 13.15%	778 12.08%	694 13.70%	593 12.80%	505 11.55%	391 11.16%	274 11.32%	244 12.57%	172 10.77%
Red Flag Computation 6	1,708 3.00%	64 2.30%	142 4.18%	135 3.09%	181 3.59%	231 4.47%	263 4.25%	222 3.45%	126 2.49%	152 3.28%	99 2.26%	36 1.03%	17 0.70%	19 0.98%	21 1.31%
Red Flag Computation 7	27,418 48.18%	1,259 45.24%	1,594 46.97%	1,960 44.90%	2,228 44.16%	2,429 46.98%	2,917 47.18%	2,956 45.89%	2,635 52.03%	2,440 52.68%	2,263 51.77%	1,858 53.01%	1,277 52.75%	979 50.44%	623 39.01%
Red Flag Computation 8	17,163 30.16%	761 27.34%	1,009 29.73%	1,274 29.19%	1,434 28.42%	1,611 31.16%	1,879 30.39%	1,894 29.40%	1,610 31.79%	1,484 32.04%	1,437 32.88%	1,150 32.81%	731 30.19%	543 27.98%	346 21.67%
Red Flag Computation 9	1,815 3.96%	85 3.73%	91 3.35%	84 2.37%	78 1.91%	80 1.94%	134 2.70%	111 2.12%	143 3.60%	221 6.04%	228 6.51%	176 6.31%	144 7.37%	129 8.10%	111 8.10%
Red Flag Computation 10	1,000 2.18%	56 2.46%	14 0.52%	41 1.16%	39 0.95%	54 1.31%	61 1.23%	55 1.05%	37 0.93%	32 0.87%	71 2.03%	53 1.90%	43 2.20%	15 0.94%	429 31.29%
Red Flag Computation 11	639 1.40%	56 2.46%	14 0.52%	41 1.16%	39 0.95%	54 1.31%	61 1.23%	55 1.05%	37 0.93%	32 0.87%	71 2.03%	53 1.90%	43 2.20%	15 0.94%	68 4.96%
Red Flag Computation 12	1,936 4.23%	71 3.12%	114 4.20%	139 3.93%	168 4.10%	158 3.82%	277 5.57%	307 5.87%	136 3.42%	109 2.98%	82 2.34%	45 1.61%	53 2.71%	96 6.03%	181 13.20%
Red Flag Computation 13	5,401 11.79%	279 12.25%	408 15.04%	674 19.04%	634 15.49%	746 18.06%	1,130 22.74%	1,174 22.45%	149 3.75%	37 1.01%	33 0.94%	26 0.93%	19 0.97%	26 1.63%	66 4.81%
Red Flag Computation 14	1,246 2.72%	99 4.35%	144 5.31%	153 4.32%	162 3.96%	137 3.32%	196 3.94%	159 3.04%	110 2.77%	86 2.35%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	12,859 28.08%	749 32.89%	784 28.90%	806 22.77%	1,197 29.25%	1,018 24.64%	1,225 24.65%	1,370 26.20%	1,279 32.19%	1,160 31.71%	921 26.29%	847 30.35%	606 31.03%	516 32.39%	381 27.79%
Red Flag Computation 16	3,106 6.78%	0 0.00%	0 0.00%	640 18.08%	691 16.88%	605 14.65%	255 5.13%	424 8.11%	215 5.41%	142 3.88%	62 1.77%	41 1.47%	15 0.77%	14 0.88%	2 0.15%
Flagged for Any of the Red Flag Computation 1-16	56,913 100.00%	2,783 100.00%	3,394 100.00%	4,365 100.00%	5,045 100.00%	5,170 100.00%	6,183 100.00%	6,442 100.00%	5,064 100.00%	4,632 100.00%	4,371 100.00%	3,505 100.00%	2,421 100.00%	1,941 100.00%	1,597 100.00%

Notes

Defendant

CVS
Giant Eagle/HBC
Rite Aid
Walgreens
Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
January 1, 2006 to December 3, 2019
January 1, 2006 to November 19, 2019
January 3, 2006 to January 3, 2020
January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary Lake County, OH

Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 1	115,489 3.93%	4,763 3.49%	8,401 5.15%	6,110 2.62%	6,166 2.33%	7,086 2.65%	13,302 4.05%	13,715 3.94%	10,098 3.84%	11,897 5.35%	9,302 4.44%	6,663 3.71%	6,690 5.29%	5,787 5.64%	5,509 5.69%
Red Flag Computation 2	718,156 24.41%	42,119 30.87%	49,293 30.24%	61,983 26.59%	60,914 23.03%	55,730 20.82%	72,319 22.00%	63,721 18.30%	58,925 22.40%	57,388 25.81%	56,391 26.92%	50,702 28.27%	37,421 29.61%	30,033 29.26%	21,217 21.91%
Red Flag Computation 3	444,942 15.12%	24,156 17.70%	27,581 16.92%	35,485 15.22%	44,339 16.76%	39,879 14.90%	45,034 13.70%	50,988 14.64%	46,073 17.51%	36,048 16.21%	31,917 15.23%	22,790 12.71%	17,001 13.45%	11,366 11.07%	12,285 12.68%
Red Flag Computation 4	205,247 6.98%	6,770 4.96%	11,229 6.89%	11,938 5.12%	19,730 7.46%	19,244 7.19%	22,053 6.71%	28,208 8.10%	18,167 6.91%	12,862 5.78%	18,131 8.65%	14,674 8.18%	9,133 7.23%	7,616 7.42%	5,492 5.67%
Red Flag Computation 5	508,338 14.56%	27,658 16.78%	28,721 14.67%	33,467 12.36%	51,641 16.30%	53,781 16.63%	67,036 16.99%	59,686 14.61%	48,446 15.27%	40,318 14.94%	31,885 12.85%	26,410 12.39%	15,042 10.27%	13,344 11.57%	10,903 10.27%
Red Flag Computation 6	125,261 3.59%	5,028 3.05%	7,638 3.90%	8,017 2.96%	14,440 4.56%	18,786 5.81%	22,071 5.60%	15,948 3.90%	9,359 2.95%	11,512 4.26%	6,852 2.76%	3,270 1.53%	554 0.38%	878 0.76%	908 0.86%
Red Flag Computation 7	1,663,675 47.66%	79,596 48.28%	93,053 47.52%	123,078 45.46%	138,677 43.78%	158,069 48.87%	193,708 49.11%	180,574 44.21%	158,801 50.05%	143,907 53.31%	129,876 52.34%	109,172 51.23%	71,855 49.07%	49,794 43.18%	33,515 31.57%
Red Flag Computation 8	988,342 28.31%	46,990 28.50%	56,751 28.98%	71,901 26.56%	85,495 26.99%	101,864 31.49%	119,391 30.27%	110,830 27.14%	91,387 28.80%	83,596 30.97%	77,118 31.08%	65,505 30.74%	37,770 25.79%	23,238 20.15%	16,506 15.55%
Red Flag Computation 9	116,066 3.95%	5,381 3.94%	5,526 3.39%	5,658 2.43%	5,439 2.06%	7,421 2.77%	7,906 2.41%	9,840 2.83%	9,889 3.76%	11,732 5.28%	12,198 5.82%	11,150 6.22%	9,373 7.42%	7,462 7.27%	7,091 7.32%
Red Flag Computation 10	93,284 3.17%	2,980 2.18%	750 0.46%	2,879 1.24%	4,243 1.60%	4,763 1.78%	7,364 2.24%	7,529 2.16%	4,510 1.71%	3,377 1.52%	6,160 2.94%	5,001 2.79%	4,120 3.26%	1,160 1.13%	38,448 39.70%
Red Flag Computation 11	59,698 2.03%	2,980 2.18%	750 0.46%	2,879 1.24%	4,243 1.60%	4,763 1.78%	7,364 2.24%	7,529 2.16%	4,510 1.71%	3,377 1.52%	6,160 2.94%	5,001 2.79%	4,120 3.26%	1,160 1.13%	4,862 5.02%
Red Flag Computation 12	146,153 4.97%	2,174 1.59%	5,759 3.53%	10,771 4.62%	10,188 3.85%	11,643 4.35%	17,973 5.47%	25,151 7.22%	13,071 4.97%	10,648 4.79%	5,030 2.40%	2,715 1.51%	4,026 3.19%	9,330 9.09%	17,674 18.25%
Red Flag Computation 13	331,948 11.28%	9,747 7.14%	16,755 10.28%	48,217 20.69%	40,056 15.14%	43,356 16.20%	64,309 19.56%	80,454 23.10%	12,894 4.90%	2,479 1.11%	1,286 0.61%	2,397 1.34%	1,520 1.20%	1,929 1.88%	6,549 6.76%
Red Flag Computation 14	118,554 4.03%	11,248 8.24%	14,002 8.59%	15,691 6.73%	14,559 5.50%	12,177 4.55%	18,209 5.54%	15,615 4.48%	9,925 3.77%	7,128 3.21%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	1,100,538 37.41%	59,009 43.25%	62,184 38.15%	75,261 32.29%	104,852 39.64%	93,529 34.94%	113,664 34.58%	133,871 38.44%	111,403 42.35%	92,924 41.79%	75,336 35.96%	65,333 36.42%	45,687 36.16%	38,166 37.19%	29,319 30.27%
Red Flag Computation 16	119,974 4.08%	0 0.00%	0 0.00%	27,356 11.74%	31,016 11.73%	21,674 8.10%	9,360 2.85%	15,138 4.35%	8,706 3.31%	4,162 1.87%	1,268 0.61%	700 0.39%	242 0.19%	302 0.29%	50 0.05%
Flagged for Any of the Red Flag Computation 1-16	3,490,999 100.00%	164,866 100.00%	195,810 100.00%	270,716 100.00%	316,769 100.00%	323,454 100.00%	394,476 100.00%	408,437 100.00%	317,303 100.00%	269,950 100.00%	248,159 100.00%	213,120 100.00%	146,444 100.00%	115,323 100.00%	106,172 100.00%

Notes

Defendant

CVS
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Rite Aid
Walgreens
Wal-Mart

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January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary Lake County, OH

Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 1	1,478,026 4.18%	42,085 1.99%	71,110 3.92%	42,835 1.87%	51,135 1.78%	68,199 2.17%	200,020 5.28%	261,960 6.64%	177,755 5.63%	156,233 5.75%	105,878 3.85%	76,963 3.23%	82,230 4.50%	82,865 6.03%	58,760 4.94%
Red Flag Computation 2	8,089,368 22.87%	815,004 38.53%	491,247 27.05%	567,183 24.71%	537,242 18.73%	473,022 15.05%	781,278 20.62%	871,968 22.11%	677,122 21.44%	618,541 22.77%	580,948 21.12%	583,181 24.49%	494,904 27.07%	395,618 28.79%	202,112 16.99%
Red Flag Computation 3	5,469,671 15.46%	342,543 16.19%	355,087 19.55%	351,739 15.33%	517,247 18.03%	453,909 14.44%	548,746 14.48%	622,032 15.77%	557,306 17.65%	432,967 15.94%	428,123 15.56%	291,902 12.26%	236,889 12.96%	163,938 11.93%	167,245 14.06%
Red Flag Computation 4	3,094,032 8.75%	105,480 4.99%	169,875 9.35%	150,810 6.57%	305,724 10.66%	349,291 11.11%	361,901 9.55%	390,704 9.91%	347,685 11.01%	180,714 6.65%	210,330 7.65%	168,168 7.06%	149,834 8.20%	124,289 9.05%	79,230 6.66%
Red Flag Computation 5	4,392,374 12.42%	389,655 18.42%	209,979 11.56%	227,615 9.92%	416,303 14.51%	430,978 13.71%	500,684 13.21%	470,120 11.92%	353,146 11.18%	393,696 14.49%	366,068 13.31%	226,952 9.53%	147,838 8.09%	154,717 11.26%	104,625 8.79%
Red Flag Computation 6	740,191 2.09%	57,555 2.72%	36,989 2.04%	30,625 1.33%	47,265 1.65%	111,325 3.54%	121,689 3.21%	74,455 1.89%	58,590 1.86%	107,955 3.97%	62,073 2.26%	19,830 0.83%	2,145 0.12%	2,880 0.21%	6,815 0.57%
Red Flag Computation 7	15,232,860 43.07%	884,449 41.82%	795,151 43.78%	950,266 41.41%	1,178,800 41.10%	1,392,699 44.31%	1,628,207 42.97%	1,630,295 43.97%	1,388,298 43.97%	1,337,427 49.23%	1,294,992 47.07%	1,098,416 46.13%	792,310 43.34%	555,543 40.43%	306,008 25.72%
Red Flag Computation 8	6,885,660 19.47%	385,623 18.23%	374,802 20.64%	460,793 20.08%	526,488 18.36%	742,866 23.64%	782,277 20.64%	707,578 17.94%	661,576 20.95%	648,414 23.87%	593,831 21.58%	494,609 20.77%	256,242 14.02%	144,755 10.53%	105,808 8.89%
Red Flag Computation 9	1,785,386 5.05%	141,183 6.67%	84,223 4.64%	65,203 2.84%	59,623 2.08%	109,668 3.49%	83,585 2.21%	159,308 4.04%	132,520 4.20%	151,669 5.58%	199,356 7.25%	198,020 8.32%	164,450 8.99%	131,971 9.60%	104,610 8.79%
Red Flag Computation 10	4,551,754 12.87%	495,852 23.44%	91,200 5.02%	262,350 11.43%	381,305 13.29%	482,459 15.35%	565,182 14.91%	348,514 8.84%	233,090 7.38%	187,402 6.90%	321,840 11.70%	251,039 10.54%	192,990 10.56%	45,900 3.34%	692,631 58.21%
Red Flag Computation 11	4,030,431 11.40%	495,852 23.44%	91,200 5.02%	262,350 11.43%	381,305 13.29%	482,459 15.35%	565,182 14.91%	348,514 8.84%	233,090 7.38%	187,402 6.90%	321,840 11.70%	251,039 10.54%	192,990 10.56%	45,900 3.34%	171,308 14.40%
Red Flag Computation 12	1,133,353 3.20%	18,095 0.86%	38,150 2.10%	73,398 3.20%	74,665 2.60%	91,303 2.90%	130,120 3.43%	177,893 4.51%	91,985 2.91%	75,773 2.79%	36,855 1.34%	18,850 0.79%	36,318 1.99%	86,105 6.27%	183,845 15.45%
Red Flag Computation 13	2,387,732 6.75%	75,863 3.59%	119,763 6.59%	327,287 14.26%	284,765 9.93%	309,353 9.84%	458,930 12.11%	572,290 14.51%	95,443 3.02%	16,898 0.62%	10,138 0.37%	13,668 0.57%	15,465 0.85%	18,245 1.33%	69,628 5.85%
Red Flag Computation 14	797,786 2.26%	74,740 3.53%	98,525 5.43%	97,665 4.26%	96,695 3.37%	85,403 2.72%	129,238 3.41%	103,250 2.62%	65,178 2.06%	47,094 1.73%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	18,292,246 51.72%	1,346,087 63.64%	910,160 50.12%	950,283 41.41%	1,537,962 53.62%	1,597,016 50.81%	1,891,945 49.93%	1,975,462 50.09%	1,741,706 55.16%	1,509,586 55.57%	1,374,328 49.95%	1,269,385 53.31%	987,091 53.99%	741,922 53.99%	459,315 38.60%
Red Flag Computation 16	997,259 2.82%	0 0.00%	0 0.00%	268,941 11.72%	261,283 9.11%	161,410 5.14%	68,661 1.81%	110,641 2.81%	71,945 2.28%	32,610 1.20%	11,459 0.42%	5,853 0.25%	1,806 0.10%	2,350 0.17%	300 0.03%
Flagged for Any of the Red Flag Computation 1-16	35,369,391 100.00%	2,115,132 100.00%	1,816,061 100.00%	2,294,958 100.00%	2,868,229 100.00%	3,142,985 100.00%	3,789,461 100.00%	3,943,981 100.00%	3,157,521 100.00%	2,716,552 100.00%	2,751,160 100.00%	2,381,121 100.00%	1,828,247 100.00%	1,374,092 100.00%	1,189,891 100.00%

Notes

Defendant

CVS
January 1, 2006 to November 29, 2019
Giant Eagle/HBC
January 1, 2006 to December 3, 2019
Rite Aid
January 1, 2006 to November 19, 2019
Walgreens
January 3, 2006 to January 3, 2020
Wal-Mart
January 2, 2006 to April 25, 2018

Date Range

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH

Red Flag Computation 1-16, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 1	1,098 1.37%	103 1.62%	99 1.38%	97 1.20%	119 1.56%	107 1.32%	137 1.62%	110 1.30%	89 1.47%	77 1.51%	47 1.16%	33 0.96%	26 0.98%	16 0.65%	38 1.70%
Red Flag Computation 2	16,103 20.08%	1,349 21.28%	1,378 19.24%	1,378 17.01%	1,318 17.31%	1,401 17.30%	1,577 18.63%	1,386 16.40%	1,320 21.77%	1,233 24.18%	986 24.39%	864 25.22%	687 25.93%	634 25.95%	592 26.45%
Red Flag Computation 3	14,143 17.63%	1,004 15.84%	1,202 16.78%	1,526 18.83%	1,315 17.27%	1,383 17.08%	1,607 18.98%	1,538 18.19%	1,102 18.18%	881 17.28%	709 17.54%	647 18.88%	484 18.27%	419 17.15%	326 14.57%
Red Flag Computation 4	3,511 4.38%	231 3.64%	376 5.25%	345 4.26%	310 4.07%	297 3.67%	335 3.96%	318 3.76%	284 4.68%	333 6.53%	227 5.62%	165 4.82%	90 3.40%	105 4.30%	95 4.24%
Red Flag Computation 5	14,284 13.25%	989 11.89%	1,251 13.24%	1,248 11.81%	1,317 13.08%	1,364 12.81%	1,728 15.34%	1,645 14.59%	1,346 16.05%	966 13.58%	703 12.31%	660 13.80%	452 12.03%	355 10.47%	260 8.56%
Red Flag Computation 6	4,554 4.23%	267 3.21%	506 5.35%	505 4.78%	495 4.91%	497 4.67%	599 5.32%	467 4.14%	473 5.64%	234 3.29%	197 3.45%	173 3.62%	89 2.37%	39 1.15%	13 0.43%
Red Flag Computation 7	61,802 57.34%	4,620 55.53%	5,195 54.96%	5,535 52.38%	5,590 55.50%	5,812 54.57%	6,216 55.17%	6,233 55.30%	5,023 59.88%	4,422 62.16%	3,713 65.00%	3,023 63.20%	2,444 65.03%	2,173 64.08%	1,803 59.33%
Red Flag Computation 8	44,806 41.57%	3,070 36.90%	3,688 39.02%	3,998 37.83%	3,964 39.36%	4,124 38.72%	4,408 39.12%	4,464 39.61%	3,738 44.56%	3,309 46.51%	2,863 50.12%	2,282 47.71%	1,880 50.03%	1,640 48.36%	1,378 45.34%
Red Flag Computation 9	2,953 3.68%	109 1.72%	218 3.04%	220 2.72%	230 3.02%	240 2.96%	359 4.24%	254 3.00%	241 3.98%	238 4.67%	268 6.63%	206 6.01%	119 4.49%	164 6.71%	87 3.89%
Red Flag Computation 10	3,148 3.93%	429 6.77%	339 4.73%	183 2.26%	171 2.25%	202 2.49%	222 2.62%	172 2.03%	160 2.64%	158 3.10%	155 3.83%	84 2.45%	55 2.08%	37 1.51%	781 34.90%
Red Flag Computation 11	2,499 3.12%	429 6.77%	339 4.73%	183 2.26%	171 2.25%	202 2.49%	222 2.62%	172 2.03%	160 2.64%	158 3.10%	155 3.83%	84 2.45%	55 2.08%	37 1.51%	132 5.90%
Red Flag Computation 12	5,139 6.41%	404 6.37%	523 7.30%	546 6.74%	571 7.50%	547 6.75%	521 6.15%	695 8.22%	424 6.99%	354 6.94%	244 6.04%	77 2.25%	78 2.94%	73 2.99%	82 3.66%
Red Flag Computation 13	14,223 17.73%	1,391 21.94%	1,673 23.35%	1,929 23.81%	1,923 25.25%	2,071 25.57%	2,193 25.90%	2,329 27.55%	354 5.84%	128 2.51%	86 2.13%	33 0.96%	30 1.13%	54 2.21%	29 1.30%
Red Flag Computation 14	2,204 2.75%	132 2.08%	261 3.64%	346 4.27%	292 3.83%	328 4.05%	262 3.09%	232 2.74%	206 3.40%	145 2.84%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	25,166 31.38%	1,754 27.67%	2,409 33.63%	2,811 34.69%	2,367 31.08%	2,601 32.12%	2,757 32.56%	2,617 30.96%	2,047 33.77%	1,482 29.06%	1,058 26.18%	962 28.08%	868 32.77%	789 32.30%	644 28.78%
Red Flag Computation 16	2,586 3.22%	0 0.00%	52 0.73%	818 10.10%	326 4.28%	293 3.62%	218 2.57%	423 5.00%	211 3.48%	155 3.04%	45 1.11%	38 1.11%	3 0.11%	4 0.16%	0 0.00%
Flagged for Any of the Red Flag Computation 1-16	107,785 100.00%	8,320 100.00%	9,452 100.00%	10,567 100.00%	10,072 100.00%	10,651 100.00%	11,267 100.00%	11,271 100.00%	8,388 100.00%	7,114 100.00%	5,712 100.00%	4,783 100.00%	3,758 100.00%	3,391 100.00%	3,039 100.00%

NotesDefendant

CVS
 Giant Eagle/HBC
 Rite Aid
 Walgreens
 Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
 January 1, 2006 to December 3, 2019
 January 1, 2006 to November 19, 2019
 January 3, 2006 to January 3, 2020
 January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
 Red Flag Computation 1-16, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 1	66,152 1.15%	7,250 1.72%	6,150 1.24%	7,132 1.25%	7,062 1.29%	5,710 1.00%	8,166 1.31%	7,077 1.13%	3,629 0.79%	4,163 1.08%	2,452 0.84%	1,619 0.64%	1,072 0.54%	1,190 0.69%	3,480 2.25%
Red Flag Computation 2	915,331 15.88%	76,842 18.25%	76,637 15.50%	79,534 13.99%	76,712 14.05%	79,978 14.02%	94,396 15.13%	83,243 13.26%	73,829 16.09%	61,492 15.98%	45,315 15.53%	48,784 19.42%	44,934 22.72%	39,274 22.84%	34,361 22.26%
Red Flag Computation 3	957,927 16.62%	66,986 15.91%	81,780 16.54%	103,074 18.13%	95,750 17.53%	93,562 16.40%	114,685 18.38%	107,758 17.17%	75,490 16.46%	58,502 15.21%	42,016 14.40%	44,232 17.61%	30,237 15.29%	26,062 15.16%	17,793 11.53%
Red Flag Computation 4	274,220 4.76%	16,043 3.81%	25,413 5.14%	26,049 4.58%	23,991 4.39%	20,805 3.65%	26,152 4.19%	24,330 3.88%	23,197 5.06%	31,119 8.09%	18,258 6.26%	14,780 5.88%	7,558 3.82%	8,918 5.19%	7,607 4.93%
Red Flag Computation 5	1,071,109 14.30%	67,889 12.44%	90,764 14.20%	96,993 13.35%	106,345 14.96%	96,465 13.21%	129,060 16.20%	125,498 15.58%	107,233 17.73%	77,684 15.07%	53,550 13.70%	48,716 14.77%	32,100 12.17%	23,312 10.22%	15,500 7.71%
Red Flag Computation 6	352,307 4.70%	19,906 3.65%	36,117 5.65%	39,557 5.44%	42,098 5.92%	38,912 5.33%	45,031 5.65%	35,570 4.42%	38,529 6.37%	20,265 3.93%	15,337 3.92%	12,332 3.74%	5,568 2.11%	2,581 1.13%	504 0.25%
Red Flag Computation 7	4,472,451 59.72%	314,493 57.63%	366,105 57.28%	403,190 55.48%	421,195 59.24%	416,768 57.05%	452,665 56.82%	461,251 57.27%	370,361 61.22%	330,937 64.18%	267,364 68.40%	217,030 65.81%	174,429 66.12%	153,073 67.10%	123,590 61.47%
Red Flag Computation 8	3,286,167 43.88%	218,149 39.97%	264,100 41.32%	291,769 40.14%	304,165 42.78%	299,618 41.01%	316,866 39.77%	331,731 41.19%	275,814 45.59%	253,900 49.24%	208,246 53.28%	163,053 49.44%	135,564 51.39%	121,692 53.34%	101,500 50.49%
Red Flag Computation 9	217,081 3.77%	8,041 1.91%	13,094 2.65%	17,027 3.00%	19,813 3.63%	18,629 3.27%	35,091 5.63%	20,583 3.28%	19,173 4.18%	16,258 4.23%	18,441 6.32%	13,460 5.36%	5,821 2.94%	7,427 4.32%	4,223 2.74%
Red Flag Computation 10	245,142 4.25%	40,099 9.52%	29,540 5.97%	14,414 2.54%	13,483 2.47%	10,727 1.88%	13,328 2.14%	8,822 1.41%	14,696 3.20%	12,167 3.16%	11,173 3.83%	6,305 2.51%	4,460 2.25%	2,368 1.38%	63,560 41.18%
Red Flag Computation 11	188,530 3.27%	40,099 9.52%	29,540 5.97%	14,414 2.54%	13,483 2.47%	10,727 1.88%	13,328 2.14%	8,822 1.41%	14,696 3.20%	12,167 3.16%	11,173 3.83%	6,305 2.51%	4,460 2.25%	2,368 1.38%	6,948 4.50%
Red Flag Computation 12	405,449 7.04%	22,995 5.46%	38,169 7.72%	41,876 7.37%	41,058 7.52%	42,218 7.40%	42,562 6.82%	53,144 8.47%	38,053 8.29%	33,155 8.62%	25,186 8.63%	6,556 2.61%	6,455 3.26%	6,702 3.90%	7,320 4.74%
Red Flag Computation 13	964,814 16.74%	78,392 18.62%	111,430 22.53%	130,711 22.99%	129,818 23.77%	135,565 23.76%	157,246 25.21%	162,409 25.88%	27,499 5.99%	10,272 2.67%	9,164 3.14%	2,560 1.02%	2,690 1.36%	4,413 2.57%	2,645 1.71%
Red Flag Computation 14	208,413 3.62%	10,718 2.55%	25,078 5.07%	32,850 5.78%	27,217 4.98%	29,350 5.14%	25,290 4.05%	23,696 3.78%	19,670 4.29%	14,544 3.78%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	2,062,245 35.79%	138,728 32.95%	189,532 38.33%	230,080 40.47%	200,119 36.65%	212,435 37.24%	227,046 36.40%	226,184 36.04%	178,076 38.82%	134,334 34.92%	81,767 28.02%	78,712 31.34%	67,830 34.29%	53,910 31.36%	43,492 28.18%
Red Flag Computation 16	111,433 1.93%	0 0.00%	2,843 0.57%	43,839 7.71%	15,584 2.85%	14,042 2.46%	7,555 1.21%	13,108 2.09%	6,433 1.40%	5,035 1.31%	1,391 0.48%	1,147 0.46%	76 0.04%	380 0.22%	0 0.00%
Flagged for Any of the Red Flag Computation 1-16	7,489,503 100.00%	545,740 100.00%	639,183 100.00%	726,788 100.00%	711,000 100.00%	730,513 100.00%	796,671 100.00%	805,395 100.00%	604,949 100.00%	515,617 100.00%	390,886 100.00%	329,794 100.00%	263,794 100.00%	228,128 100.00%	201,045 100.00%

NotesDefendant

CVS
 Giant Eagle/HBC
 Rite Aid
 Walgreens
 Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
 January 1, 2006 to December 3, 2019
 January 1, 2006 to November 19, 2019
 January 3, 2006 to January 3, 2020
 January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-16, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 1	922,888 1.13%	87,040 1.33%	91,398 1.33%	119,370 1.48%	124,958 1.60%	94,954 1.23%	109,398 1.29%	68,420 0.83%	43,415 0.71%	59,870 1.08%	28,068 0.58%	21,444 0.57%	12,068 0.42%	11,095 0.44%	51,393 2.39%
Red Flag Computation 2	13,102,017 16.06%	958,988 14.62%	1,109,657 16.20%	1,289,242 15.95%	1,196,416 15.28%	1,088,742 14.11%	1,331,111 15.75%	1,232,376 15.04%	964,784 15.67%	786,978 14.18%	589,474 12.13%	618,326 16.41%	692,450 23.89%	695,215 27.39%	548,260 25.53%
Red Flag Computation 3	15,542,599 19.05%	1,185,152 18.06%	1,342,173 19.60%	1,767,042 21.86%	1,652,527 21.10%	1,438,269 18.63%	1,804,837 21.36%	1,753,225 21.39%	1,136,234 18.46%	884,307 15.94%	665,839 13.71%	654,097 17.36%	568,979 19.63%	436,790 17.21%	253,131 11.79%
Red Flag Computation 4	4,790,598 5.87%	325,984 4.97%	566,006 8.27%	510,838 6.32%	416,395 5.32%	346,180 4.48%	476,366 5.64%	460,788 5.62%	390,409 6.34%	472,827 8.52%	268,833 5.53%	191,591 5.09%	110,788 3.82%	133,743 5.27%	119,853 5.58%
Red Flag Computation 5	9,016,246 11.05%	520,755 7.94%	581,958 8.50%	750,605 9.28%	1,160,743 14.82%	889,316 11.52%	1,151,312 13.63%	979,019 11.95%	771,036 12.52%	606,279 10.93%	397,932 8.19%	349,379 9.27%	267,879 9.24%	360,593 14.21%	229,443 10.68%
Red Flag Computation 6	2,330,057 2.86%	118,993 1.81%	149,408 2.18%	152,828 1.89%	309,968 3.96%	320,462 4.15%	429,975 5.09%	243,848 2.98%	246,910 4.01%	153,630 2.77%	66,263 1.36%	80,965 2.15%	40,370 1.39%	14,305 0.56%	2,135 0.10%
Red Flag Computation 7	43,960,959 53.87%	3,192,702 48.66%	3,355,196 49.00%	3,673,093 45.43%	4,152,726 53.03%	4,115,366 53.32%	4,604,693 54.50%	4,277,950 52.20%	3,593,057 58.37%	3,382,464 60.96%	3,180,572 65.48%	2,216,859 58.84%	1,639,551 56.56%	1,460,748 57.56%	1,115,982 51.97%
Red Flag Computation 8	26,272,762 32.20%	1,865,388 28.43%	2,064,009 30.14%	2,031,320 25.12%	2,274,008 29.04%	2,499,010 32.38%	2,840,256 33.62%	2,588,819 31.59%	2,147,889 34.89%	1,964,351 35.40%	1,923,782 39.60%	1,380,172 36.63%	1,041,778 35.94%	873,783 34.43%	778,200 36.24%
Red Flag Computation 9	3,088,702 3.79%	108,169 1.65%	204,099 2.98%	179,687 2.22%	219,451 2.80%	227,398 2.95%	564,403 6.68%	234,785 2.86%	278,793 4.53%	237,965 4.29%	290,033 5.97%	227,436 6.04%	119,211 4.11%	137,438 5.42%	59,838 2.79%
Red Flag Computation 10	17,397,067 21.32%	2,053,870 31.30%	1,480,678 21.62%	1,614,980 19.98%	1,660,845 21.21%	1,391,355 18.03%	1,556,120 18.42%	1,309,030 15.97%	1,226,700 19.93%	1,234,745 22.25%	1,318,554 27.14%	639,760 16.98%	365,190 12.60%	236,540 9.32%	1,308,700 60.94%
Red Flag Computation 11	16,467,507 20.18%	2,053,870 31.30%	1,480,678 21.62%	1,614,980 19.98%	1,660,845 21.21%	1,391,355 18.03%	1,556,120 18.42%	1,309,030 15.97%	1,226,700 19.93%	1,234,745 22.25%	1,318,554 27.14%	639,760 16.98%	365,190 12.60%	236,540 9.32%	379,140 17.65%
Red Flag Computation 12	3,775,210 4.63%	178,500 2.72%	325,695 4.76%	380,890 4.71%	358,555 4.58%	396,293 5.13%	399,828 4.73%	477,095 5.82%	350,665 5.70%	327,200 5.90%	276,688 5.70%	62,345 1.65%	67,593 2.33%	80,673 3.18%	93,193 4.34%
Red Flag Computation 13	8,390,201 10.28%	611,593 9.32%	923,353 13.48%	1,116,138 13.81%	1,091,235 13.93%	1,217,758 15.78%	1,429,820 16.92%	1,404,958 17.14%	247,765 4.02%	101,890 1.84%	102,045 2.10%	25,870 0.69%	27,369 0.94%	52,505 2.07%	37,905 1.77%
Red Flag Computation 14	1,669,880 2.05%	83,415 1.27%	193,575 2.83%	266,585 3.30%	217,898 2.78%	243,250 3.15%	202,878 2.40%	189,460 2.31%	160,865 2.61%	111,955 2.02%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	42,652,061 52.27%	3,267,718 49.80%	3,657,727 53.42%	4,718,009 58.36%	4,390,310 56.06%	4,031,938 52.24%	4,217,526 49.92%	4,158,809 50.75%	3,203,077 52.03%	2,904,130 52.34%	2,561,380 52.73%	1,939,165 51.47%	1,464,087 50.51%	1,308,879 51.58%	829,307 38.62%
Red Flag Computation 16	992,537 1.22%	0 0.00%	21,490 0.31%	385,193 4.76%	154,675 1.98%	123,644 1.60%	69,503 0.82%	121,505 1.48%	44,823 0.73%	49,283 0.89%	10,288 0.21%	7,295 0.19%	1,020 0.04%	3,820 0.15%	0 0.00%
Flagged for Any of the Red Flag Computation 1-16	81,602,987 100.00%	6,561,600 100.00%	6,847,728 100.00%	8,084,880 100.00%	7,831,225 100.00%	7,718,728 100.00%	8,449,231 100.00%	8,195,339 100.00%	6,156,093 100.00%	5,548,934 100.00%	4,857,677 100.00%	3,767,370 100.00%	2,898,833 100.00%	2,537,809 100.00%	2,147,541 100.00%

NotesDefendant

CVS
Giant Eagle/HBC
Rite Aid
Walgreens
Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
January 1, 2006 to December 3, 2019
January 1, 2006 to November 19, 2019
January 3, 2006 to January 3, 2020
January 2, 2006 to April 25, 2018

C. Combination Red Flagged Prescriptions – Red Flag Computation 1-16 No of Flags Triggered

Lake County and Trumbull County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-16

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	141,651		175,609		37,379		125,994		209,395		690,028	
Opioid Prescriptions Flagged - 2+ Methods	87,206	61 56%	119,153	67 85%	23,918	63 99%	76,514	60 73%	147,916	70 64%	454,707	65 90%
Opioid Prescriptions Flagged - 3+ Methods	37,472	26 45%	59,853	34 08%	10,737	28 72%	29,431	23 36%	79,181	37 81%	216,674	31 40%
Opioid Prescriptions Flagged - 4+ Methods	14,592	10 30%	26,768	15 24%	4,279	11 45%	10,626	8 43%	37,146	17 74%	93,411	13 54%
Opioid Prescriptions Flagged - 5+ Methods	4,742	3 35%	9,498	5 41%	1,374	3 68%	3,257	2 59%	15,252	7 28%	34,123	4 95%
Opioid Prescriptions Flagged - 6+ Methods	1,269	0 90%	3,030	1 73%	367	0 98%	886	0 70%	4,887	2 33%	10,439	1 51%
Opioid Prescriptions Flagged - 7+ Methods	256	0 18%	691	0 39%	102	0 27%	182	0 14%	1,543	0 74%	2,774	0 40%
Opioid Prescriptions Flagged - 8+ Methods	60	0 04%	146	0 08%	16	0 04%	42	0 03%	438	0 21%	702	0 10%
Opioid Prescriptions Flagged - 9+ Methods	4	0 00%	35	0 02%	1	0 00%	6	0 00%	72	0 03%	118	0 02%
Opioid Prescriptions Flagged - 10+ Methods	0	0 00%	4	0 00%	0	0 00%	0	0 00%	14	0 01%	18	0 00%

NotesDefendantDate Range

CVS January 1, 2006 to November 29, 2019

Giant Eagle/HBC January 1, 2006 to December 3, 2019

Rite Aid January 1, 2006 to November 19, 2019

Walgreens January 3, 2006 to January 3, 2020

Wal-Mart January 2, 2006 to April 25, 2018

Lake County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-16

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	91,066		80,894		26,709		45,795		59,259		303,723	
Opioid Prescriptions Flagged - 2+ Methods	55,212	60 63%	50,495	62 42%	16,848	63 08%	25,366	55 39%	41,692	70 36%	189,613	62 43%
Opioid Prescriptions Flagged - 3+ Methods	24,604	27 02%	22,915	28 33%	8,104	30 34%	9,467	20 67%	22,067	37 24%	87,157	28 70%
Opioid Prescriptions Flagged - 4+ Methods	9,531	10 47%	9,262	11 45%	3,285	12 30%	3,031	6 62%	9,945	16 78%	35,054	11 54%
Opioid Prescriptions Flagged - 5+ Methods	3,156	3 47%	3,047	3 77%	1,147	4 29%	774	1 69%	4,048	6 83%	12,172	4 01%
Opioid Prescriptions Flagged - 6+ Methods	820	0 90%	794	0 98%	332	1 24%	178	0 39%	1,155	1 95%	3,279	1 08%
Opioid Prescriptions Flagged - 7+ Methods	172	0 19%	160	0 20%	96	0 36%	43	0 09%	297	0 50%	768	0 25%
Opioid Prescriptions Flagged - 8+ Methods	33	0 04%	31	0 04%	16	0 06%	9	0 02%	71	0 12%	160	0 05%
Opioid Prescriptions Flagged - 9+ Methods	4	0 00%	10	0 01%	1	0 00%	1	0 00%	4	0 01%	20	0 01%
Opioid Prescriptions Flagged - 10+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	0	0 00%	0	0 00%

NotesDefendantDate Range

CVS January 1, 2006 to November 29, 2019

Giant Eagle/HBC January 1, 2006 to December 3, 2019

Rite Aid January 1, 2006 to November 19, 2019

Walgreens January 3, 2006 to January 3, 2020

Wal-Mart January 2, 2006 to April 25, 2018

Trumbull County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-16

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	50,585		94,715		10,670		80,199		150,136		386,305	
Opioid Prescriptions Flagged - 2+ Methods	31,994	63.25%	68,658	72.49%	7,070	66.26%	51,148	63.78%	106,224	70.75%	265,094	68.62%
Opioid Prescriptions Flagged - 3+ Methods	12,868	25.44%	36,938	39.00%	2,633	24.68%	19,964	24.89%	57,114	38.04%	129,517	33.53%
Opioid Prescriptions Flagged - 4+ Methods	5,061	10.00%	17,506	18.48%	994	9.32%	7,595	9.47%	27,201	18.12%	58,357	15.11%
Opioid Prescriptions Flagged - 5+ Methods	1,586	3.14%	6,451	6.81%	227	2.13%	2,483	3.10%	11,204	7.46%	21,951	5.68%
Opioid Prescriptions Flagged - 6+ Methods	449	0.89%	2,236	2.36%	35	0.33%	708	0.88%	3,732	2.49%	7,160	1.85%
Opioid Prescriptions Flagged - 7+ Methods	84	0.17%	531	0.56%	6	0.06%	139	0.17%	1,246	0.83%	2,006	0.52%
Opioid Prescriptions Flagged - 8+ Methods	27	0.05%	115	0.12%	0	0.00%	33	0.04%	367	0.24%	542	0.14%
Opioid Prescriptions Flagged - 9+ Methods	0	0.00%	25	0.03%	0	0.00%	5	0.01%	68	0.05%	98	0.03%
Opioid Prescriptions Flagged - 10+ Methods	0	0.00%	4	0.00%	0	0.00%	0	0.00%	14	0.01%	18	0.00%

NotesDefendantDate Range

CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

D. Combination Red Flagged Prescriptions – Red Flag Computation 1-43 Summary and Chart

Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	164,698	1,399,920
Opioid Prescriptions	125,994	774,690

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	164,698	100.0%	11.8%
Red Flag Computation 1	2,889	2.3%	0.4%
Red Flag Computation 2	29,231	23.2%	3.8%
Red Flag Computation 3	21,885	17.4%	2.8%
Red Flag Computation 4	6,221	4.9%	0.8%
Red Flag Computation 5	21,386	13.0%	1.5%
Red Flag Computation 6	6,262	3.8%	0.4%
Red Flag Computation 7	89,220	54.2%	6.4%
Red Flag Computation 8	61,969	37.6%	4.4%
Red Flag Computation 9	4,768	3.8%	0.6%
Red Flag Computation 10	4,148	3.3%	0.5%
Red Flag Computation 11	3,138	2.5%	0.4%
Red Flag Computation 12	7,075	5.6%	0.9%
Red Flag Computation 13	19,624	15.6%	2.5%
Red Flag Computation 14	3,450	2.7%	0.4%
Red Flag Computation 15	38,025	30.2%	4.9%
Red Flag Computation 16	5,692	4.5%	0.7%
Red Flag Computation 17	16,808	10.2%	1.2%
Red Flag Computation 18	9,842	7.8%	1.3%
Red Flag Computation 19	4,091	3.2%	0.5%
Red Flag Computation 20	11,311	9.0%	1.5%
Red Flag Computation 21	7,632	6.1%	1.0%
Red Flag Computation 22	119	0.1%	0.0%
Red Flag Computation 23	114	0.1%	0.0%
Red Flag Computation 24	9,040	7.2%	1.2%
Red Flag Computation 25	6,505	5.2%	0.8%
Red Flag Computation 26	19,583	15.5%	2.5%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	4	0.0%	0.0%
Red Flag Computation 29	2,663	2.1%	0.3%
Red Flag Computation 30	9,073	7.2%	1.2%

Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	164,698	1,399,920
Opioid Prescriptions	125,994	774,690

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	7,066	5.6%	0.9%
Red Flag Computation 32	343	0.3%	0.0%
Red Flag Computation 33	2,421	1.9%	0.3%
Red Flag Computation 34	1,850	1.5%	0.2%
Red Flag Computation 35	11,741	9.3%	1.5%
Red Flag Computation 36	9,856	7.8%	1.3%
Red Flag Computation 37	354	0.3%	0.0%
Red Flag Computation 38	78,982	48.0%	5.6%
Red Flag Computation 39	6,177	3.8%	0.4%
Red Flag Computation 40	3,047	2.4%	0.4%
Red Flag Computation 41	27,997	17.0%	2.0%
Red Flag Computation 42	11,386	6.9%	0.8%
Red Flag Computation 43	175	0.1%	0.0%

Notes:

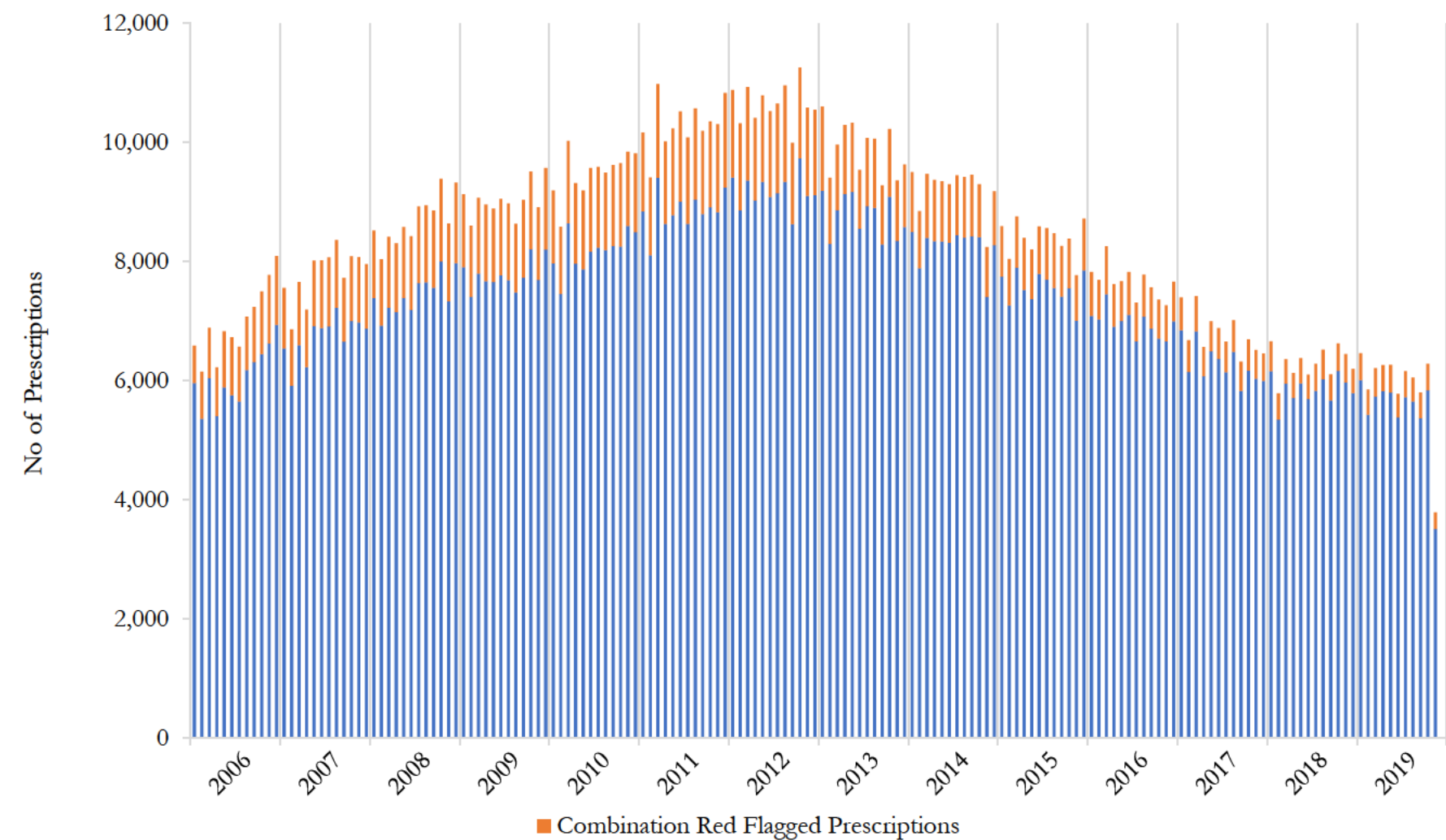
¹ I summarize the 164,698 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

² **Defendant**

Date Range

CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Lake County and Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

**Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County, OH**

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	56,913	596,575
Opioid Prescriptions	45,795	325,813

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	56,913	100.0%	9.5%
Red Flag Computation 1	1,791	3.9%	0.5%
Red Flag Computation 2	13,128	28.7%	4.0%
Red Flag Computation 3	7,742	16.9%	2.4%
Red Flag Computation 4	2,710	5.9%	0.8%
Red Flag Computation 5	7,102	12.5%	1.2%
Red Flag Computation 6	1,708	3.0%	0.3%
Red Flag Computation 7	27,418	48.2%	4.6%
Red Flag Computation 8	17,163	30.2%	2.9%
Red Flag Computation 9	1,815	4.0%	0.6%
Red Flag Computation 10	1,000	2.2%	0.3%
Red Flag Computation 11	639	1.4%	0.2%
Red Flag Computation 12	1,936	4.2%	0.6%
Red Flag Computation 13	5,401	11.8%	1.7%
Red Flag Computation 14	1,246	2.7%	0.4%
Red Flag Computation 15	12,859	28.1%	3.9%
Red Flag Computation 16	3,106	6.8%	1.0%
Red Flag Computation 17	7,570	13.3%	1.3%
Red Flag Computation 18	4,079	8.9%	1.3%
Red Flag Computation 19	1,675	3.7%	0.5%
Red Flag Computation 20	4,648	10.1%	1.4%
Red Flag Computation 21	3,051	6.7%	0.9%
Red Flag Computation 22	76	0.2%	0.0%
Red Flag Computation 23	65	0.1%	0.0%
Red Flag Computation 24	4,331	9.5%	1.3%
Red Flag Computation 25	1,753	3.8%	0.5%
Red Flag Computation 26	5,398	11.8%	1.7%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	0	0.0%	0.0%
Red Flag Computation 29	998	2.2%	0.3%
Red Flag Computation 30	3,719	8.1%	1.1%

**Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Lake County, OH**

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	56,913	596,575
Opioid Prescriptions	45,795	325,813

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	2,418	5.3%	0.7%
Red Flag Computation 32	200	0.4%	0.1%
Red Flag Computation 33	568	1.2%	0.2%
Red Flag Computation 34	959	2.1%	0.3%
Red Flag Computation 35	3,859	8.4%	1.2%
Red Flag Computation 36	5,000	10.9%	1.5%
Red Flag Computation 37	182	0.4%	0.1%
Red Flag Computation 38	23,075	40.5%	3.9%
Red Flag Computation 39	1,704	3.0%	0.3%
Red Flag Computation 40	992	2.2%	0.3%
Red Flag Computation 41	6,189	10.9%	1.0%
Red Flag Computation 42	3,548	6.2%	0.6%
Red Flag Computation 43	96	0.2%	0.0%

Notes:

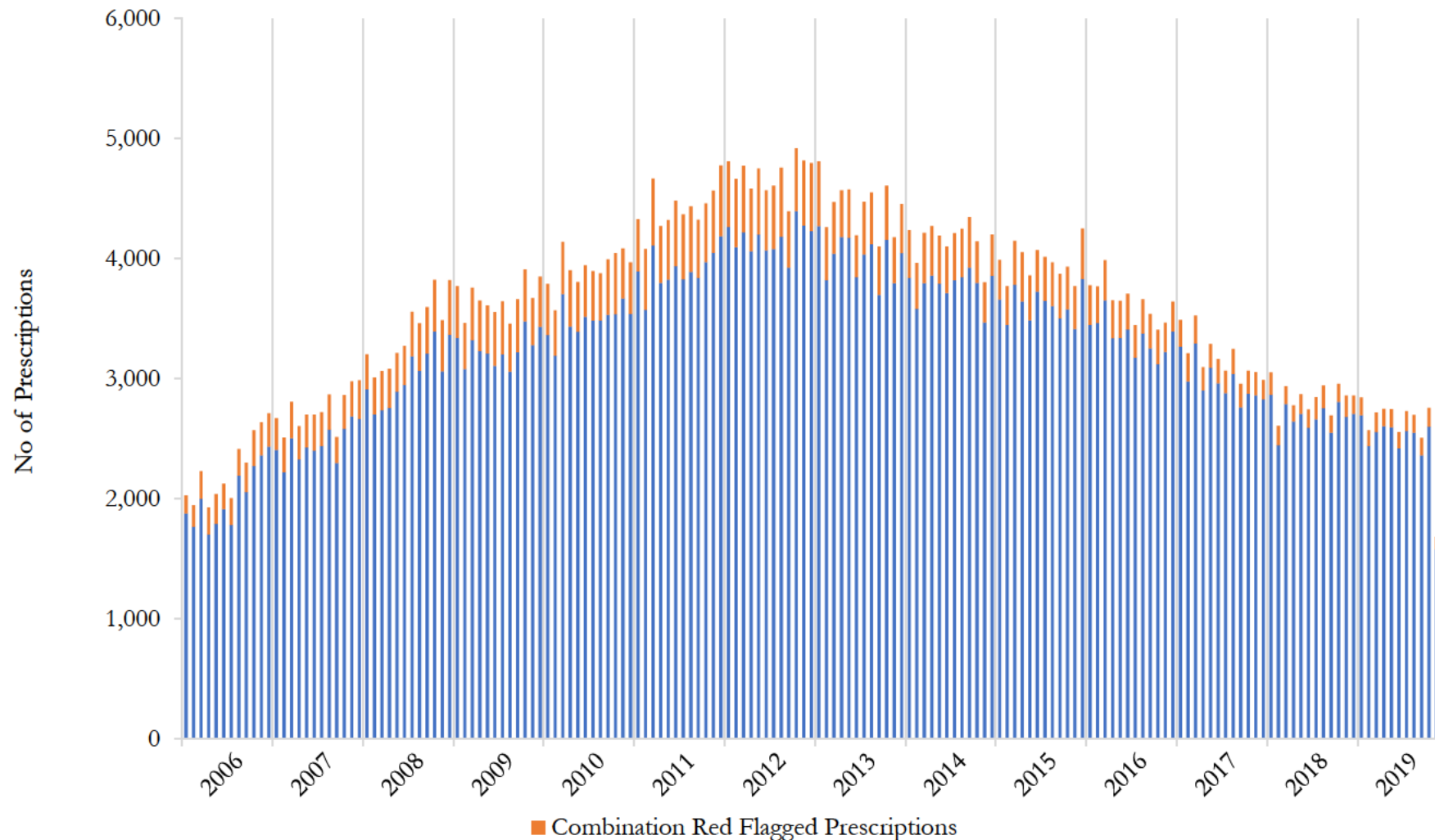
¹ I summarize the 56,913 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

² **Defendant**

Date Range

CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Lake County, OH



<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

**Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Trumbull County, OH**

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	107,785	803,345
Opioid Prescriptions	80,199	448,877

Red Flag Computation	Flagged	%	%
Flagged for Any of the Red Flag Computation 1-43	107,785	100.0%	13.4%
Red Flag Computation 1	1,098	1.4%	0.2%
Red Flag Computation 2	16,103	20.1%	3.6%
Red Flag Computation 3	14,143	17.6%	3.2%
Red Flag Computation 4	3,511	4.4%	0.8%
Red Flag Computation 5	14,284	13.3%	1.8%
Red Flag Computation 6	4,554	4.2%	0.6%
Red Flag Computation 7	61,802	57.3%	7.7%
Red Flag Computation 8	44,806	41.6%	5.6%
Red Flag Computation 9	2,953	3.7%	0.7%
Red Flag Computation 10	3,148	3.9%	0.7%
Red Flag Computation 11	2,499	3.1%	0.6%
Red Flag Computation 12	5,139	6.4%	1.1%
Red Flag Computation 13	14,223	17.7%	3.2%
Red Flag Computation 14	2,204	2.7%	0.5%
Red Flag Computation 15	25,166	31.4%	5.6%
Red Flag Computation 16	2,586	3.2%	0.6%
Red Flag Computation 17	9,238	8.6%	1.1%
Red Flag Computation 18	5,763	7.2%	1.3%
Red Flag Computation 19	2,416	3.0%	0.5%
Red Flag Computation 20	6,663	8.3%	1.5%
Red Flag Computation 21	4,581	5.7%	1.0%
Red Flag Computation 22	43	0.1%	0.0%
Red Flag Computation 23	49	0.1%	0.0%
Red Flag Computation 24	4,709	5.9%	1.0%
Red Flag Computation 25	4,752	5.9%	1.1%
Red Flag Computation 26	14,185	17.7%	3.2%
Red Flag Computation 27	0	0.0%	0.0%
Red Flag Computation 28	4	0.0%	0.0%
Red Flag Computation 29	1,665	2.1%	0.4%
Red Flag Computation 30	5,354	6.7%	1.2%

**Giant Eagle/HBC
Combination Red Flagged Prescriptions Summary
Trumbull County, OH**

	Number of Combination Red Flagged Prescriptions	Total Number of Prescriptions
All Prescriptions	107,785	803,345
Opioid Prescriptions	80,199	448,877

Red Flag Computation	Flagged	%	%
Red Flag Computation 31	4,648	5.8%	1.0%
Red Flag Computation 32	143	0.2%	0.0%
Red Flag Computation 33	1,853	2.3%	0.4%
Red Flag Computation 34	891	1.1%	0.2%
Red Flag Computation 35	7,882	9.8%	1.8%
Red Flag Computation 36	4,856	6.1%	1.1%
Red Flag Computation 37	172	0.2%	0.0%
Red Flag Computation 38	55,907	51.9%	7.0%
Red Flag Computation 39	4,473	4.1%	0.6%
Red Flag Computation 40	2,055	2.6%	0.5%
Red Flag Computation 41	21,808	20.2%	2.7%
Red Flag Computation 42	7,838	7.3%	1.0%
Red Flag Computation 43	79	0.1%	0.0%

Notes:

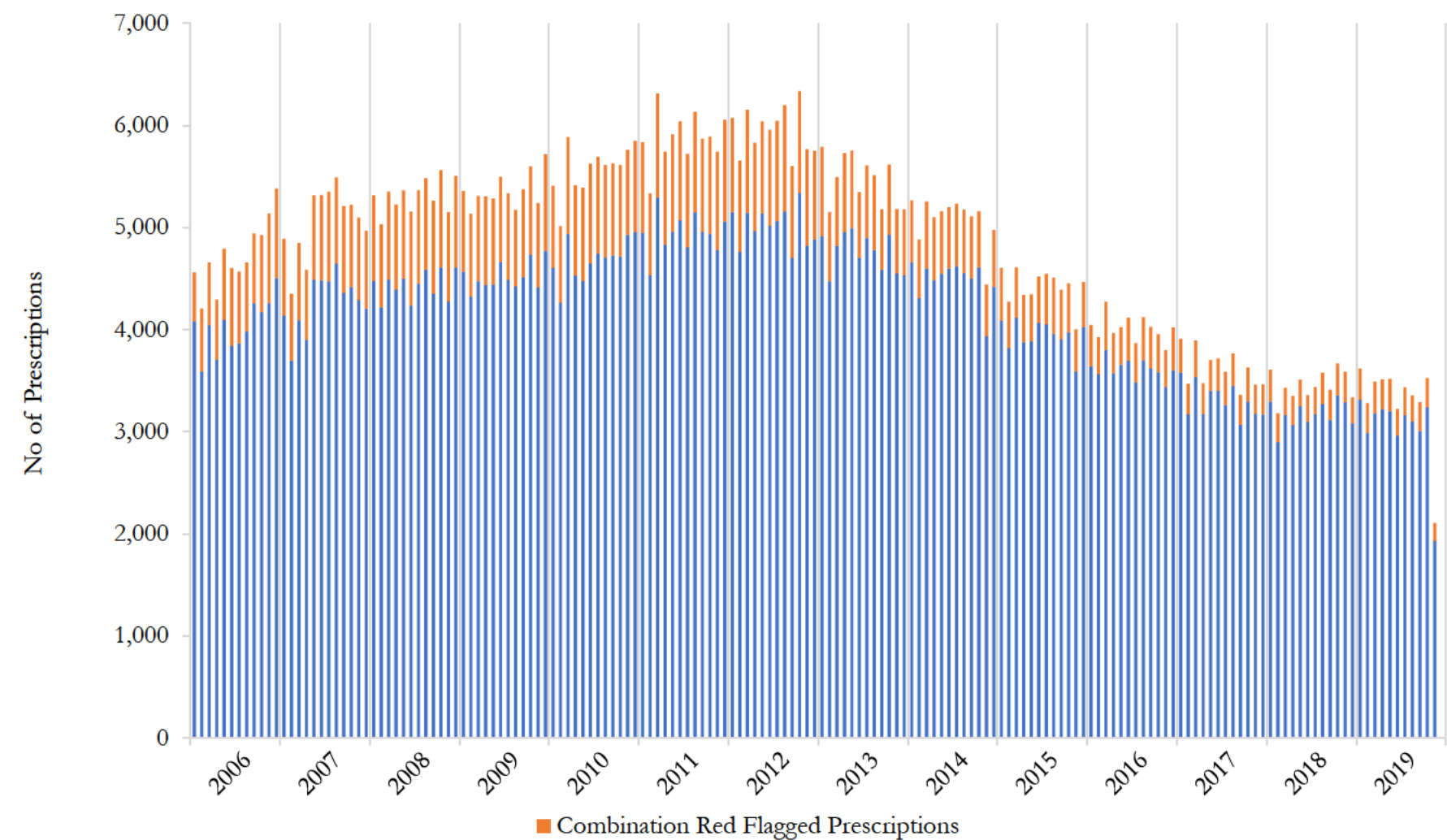
¹ I summarize the 107,785 prescriptions that were triggered by at least one of the initial 16 red flag computations (1-16), and by at least one of the subsequent 27 red flag computations (17-43).

² **Defendant**

Date Range

CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Trumbull County, OH



Defendant	Date Range
CVS	January 1, 2006 to November 29, 2019;
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019;
Walgreens	January 3, 2006 to January 3, 2020;
Wal-Mart	January 2, 2006 to April 25, 2018

E. Combination Red Flagged Prescriptions – Red Flag Computation 1-43 Summary by Year

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 1	2,889 2.29%	188 2.18%	231 2.34%	197 1.69%	219 1.87%	227 1.86%	343 2.55%	315 2.30%	251 2.50%	287 3.28%	192 2.54%	114 1.83%	115 2.50%	107 2.65%	103 2.85%
Red Flag Computation 2	29,231 23.20%	2,137 24.80%	2,207 22.34%	2,359 20.26%	2,316 19.78%	2,389 19.53%	2,864 21.31%	2,598 18.99%	2,529 25.20%	2,455 28.03%	2,226 29.50%	1,777 28.58%	1,322 28.73%	1,135 28.12%	917 25.41%
Red Flag Computation 3	21,885 17.37%	1,460 16.95%	1,685 17.06%	2,110 18.12%	2,052 17.53%	2,069 16.92%	2,403 17.88%	2,412 17.63%	1,902 18.95%	1,528 17.45%	1,266 16.78%	1,056 16.99%	761 16.54%	636 15.76%	545 15.10%
Red Flag Computation 4	6,221 4.94%	339 3.93%	537 5.44%	516 4.43%	577 4.93%	566 4.63%	605 4.50%	683 4.99%	548 5.46%	511 5.84%	449 5.95%	331 5.32%	203 4.41%	194 4.81%	162 4.49%
Red Flag Computation 5	21,386 12.98%	1,356 12.21%	1,697 13.21%	1,741 11.66%	1,961 12.97%	2,052 12.97%	2,541 14.56%	2,423 13.68%	2,040 15.17%	1,559 13.27%	1,208 11.98%	1,051 12.68%	726 11.75%	599 11.23%	432 9.32%
Red Flag Computation 6	6,262 3.80%	331 2.98%	648 5.04%	640 4.29%	676 4.47%	728 4.60%	862 4.94%	689 3.89%	599 4.45%	386 3.29%	296 2.94%	209 2.52%	106 1.72%	58 1.09%	34 0.73%
Red Flag Computation 7	89,220 54.17%	5,879 52.95%	6,789 52.85%	7,495 50.19%	7,818 51.72%	8,241 52.09%	9,133 52.34%	9,189 51.88%	7,658 56.93%	6,862 58.42%	5,976 59.27%	4,881 58.89%	3,721 60.22%	3,152 59.11%	2,426 52.33%
Red Flag Computation 8	61,969 37.63%	3,831 34.50%	4,697 36.56%	5,272 35.31%	5,398 35.71%	5,735 36.25%	6,287 36.03%	6,358 35.89%	5,348 39.76%	4,793 40.81%	4,300 42.65%	3,432 41.41%	2,611 42.26%	2,183 40.94%	1,724 37.19%
Red Flag Computation 9	4,768 3.78%	194 2.25%	309 3.13%	304 2.61%	308 2.63%	320 2.62%	493 3.67%	365 2.67%	384 3.83%	459 5.24%	496 6.57%	382 6.14%	263 5.71%	293 7.26%	198 5.49%
Red Flag Computation 10	4,148 3.29%	485 5.63%	353 3.57%	224 1.92%	210 1.79%	256 2.09%	283 2.11%	227 1.66%	197 1.96%	190 2.17%	226 3.00%	137 2.20%	98 2.13%	52 1.29%	1,210 33.53%
Red Flag Computation 11	3,138 2.49%	485 5.63%	353 3.57%	224 1.92%	210 1.79%	256 2.09%	283 2.11%	227 1.66%	197 1.96%	190 2.17%	226 3.00%	137 2.20%	98 2.13%	52 1.29%	200 5.54%
Red Flag Computation 12	7,075 5.62%	475 5.51%	637 6.45%	685 5.88%	739 6.31%	705 5.76%	798 5.94%	1,002 7.32%	560 5.58%	463 5.29%	326 4.32%	122 1.96%	131 2.85%	169 4.19%	263 7.29%
Red Flag Computation 13	19,624 15.58%	1,670 19.38%	2,081 21.07%	2,603 22.36%	2,557 21.84%	2,817 23.03%	3,323 24.73%	3,503 25.60%	503 5.01%	165 1.88%	119 1.58%	59 0.95%	49 1.06%	80 1.98%	95 2.63%
Red Flag Computation 14	3,450 2.74%	231 2.68%	405 4.10%	499 4.29%	454 3.88%	465 3.80%	458 3.41%	391 2.86%	316 3.15%	231 2.64%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	38,025 30.18%	2,503 29.05%	3,193 32.33%	3,617 31.07%	3,564 30.44%	3,619 29.59%	3,982 29.63%	3,987 29.14%	3,326 33.14%	2,642 30.17%	1,979 26.23%	1,809 29.10%	1,474 32.03%	1,305 32.33%	1,025 28.40%
Red Flag Computation 16	5,692 4.52%	0 0.00%	52 0.53%	1,458 12.52%	1,017 8.69%	898 7.34%	473 3.52%	847 6.19%	426 4.25%	297 3.39%	107 1.42%	79 1.27%	18 0.39%	18 0.45%	2 0.06%
Red Flag Computation 17	16,808 10.21%	1,257 11.32%	1,337 10.41%	1,355 9.07%	1,405 9.29%	1,340 8.47%	1,773 10.16%	1,506 8.50%	1,398 10.39%	1,309 11.14%	1,093 10.84%	948 11.44%	783 12.67%	723 13.56%	581 12.53%
Red Flag Computation 18	9,842 7.81%	631 7.32%	673 6.81%	832 7.15%	825 7.05%	851 6.96%	1,001 7.45%	907 6.63%	965 9.62%	821 9.38%	770 10.21%	585 9.41%	394 8.56%	316 7.83%	271 7.51%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 19	4,091 3.25%	255 2.96%	242 2.45%	337 2.89%	281 2.40%	337 2.76%	494 3.68%	387 2.83%	428 4.27%	365 4.17%	343 4.55%	231 3.72%	172 3.74%	113 2.80%	106 2.94%
Red Flag Computation 20	11,311 8.98%	684 7.94%	803 8.13%	997 8.56%	1,024 8.75%	1,111 9.08%	1,269 9.44%	1,264 9.24%	1,012 10.08%	819 9.35%	727 9.64%	537 8.64%	417 9.06%	345 8.55%	302 8.37%
Red Flag Computation 21	7,632 6.06%	468 5.43%	556 5.63%	710 6.10%	668 5.71%	749 6.12%	867 6.45%	845 6.18%	721 7.18%	534 6.10%	505 6.69%	369 5.94%	236 5.13%	222 5.50%	182 5.04%
Red Flag Computation 22	119 0.09%	5 0.06%	4 0.04%	16 0.14%	8 0.07%	9 0.07%	26 0.19%	10 0.07%	13 0.13%	13 0.15%	6 0.08%	7 0.11%	0 0.00%	1 0.02%	1 0.03%
Red Flag Computation 23	114 0.09%	4 0.05%	4 0.04%	15 0.13%	7 0.06%	7 0.06%	27 0.21%	7 0.05%	16 0.16%	18 0.21%	4 0.05%	4 0.06%	0 0.00%	1 0.02%	0 0.00%
Red Flag Computation 24	9,040 7.17%	512 5.94%	686 6.95%	828 7.11%	862 7.36%	902 7.38%	901 6.71%	866 6.33%	773 7.70%	692 7.90%	666 8.83%	496 7.98%	314 6.82%	277 6.86%	265 7.34%
Red Flag Computation 25	6,505 5.16%	475 5.51%	637 6.45%	685 5.88%	739 6.31%	705 5.76%	798 5.94%	1,002 7.32%	408 4.07%	301 3.44%	227 3.01%	92 1.48%	98 2.13%	139 3.44%	199 5.51%
Red Flag Computation 26	19,583 15.54%	1,670 19.38%	2,081 21.07%	2,603 22.36%	2,557 21.84%	2,817 23.03%	3,323 24.73%	3,503 25.60%	487 4.85%	153 1.75%	113 1.50%	57 0.92%	48 1.04%	75 1.86%	96 2.66%
Red Flag Computation 27	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 28	4 0.00%	0 0.00%	2 0.02%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	2 0.01%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 29	2,663 2.11%	189 2.19%	302 3.06%	370 3.18%	340 2.90%	354 2.89%	360 2.68%	305 2.23%	258 2.57%	185 2.11%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 30	9,073 7.20%	653 7.58%	851 8.62%	1,006 8.64%	982 8.39%	962 7.87%	1,051 7.82%	1,014 7.41%	916 9.13%	651 7.43%	306 4.06%	220 3.54%	169 3.67%	155 3.84%	137 3.80%
Red Flag Computation 31	7,066 5.61%	243 2.82%	491 4.97%	790 6.79%	678 5.79%	685 5.60%	784 5.83%	820 5.99%	708 7.06%	531 6.06%	307 4.07%	344 5.53%	272 5.91%	175 4.34%	238 6.59%
Red Flag Computation 32	343 0.27%	0 0.00%	6 0.06%	110 0.94%	61 0.52%	35 0.29%	20 0.15%	52 0.38%	38 0.38%	19 0.22%	0 0.00%	0 0.00%	0 0.00%	2 0.05%	0 0.00%
Red Flag Computation 33	2,421 1.92%	222 2.58%	189 1.91%	268 2.30%	225 1.92%	223 1.82%	248 1.85%	211 1.54%	143 1.43%	139 1.59%	146 1.94%	141 2.27%	101 2.19%	107 2.65%	58 1.61%
Red Flag Computation 34	1,850 1.47%	9 0.10%	24 0.24%	27 0.23%	44 0.38%	53 0.43%	56 0.42%	89 0.65%	141 1.41%	141 1.61%	329 4.36%	342 5.50%	260 5.65%	169 4.19%	166 4.60%
Red Flag Computation 35	11,741 9.32%	1,398 16.23%	1,353 13.70%	1,203 10.33%	1,070 9.14%	1,103 9.02%	868 6.46%	856 6.26%	821 8.18%	629 7.18%	543 7.20%	519 8.35%	415 9.02%	475 11.77%	488 13.52%
Red Flag Computation 36	9,856 7.82%	906 10.52%	826 8.36%	896 7.70%	742 6.34%	825 6.75%	962 7.16%	758 5.54%	783 7.80%	909 10.38%	928 12.30%	593 9.54%	301 6.54%	230 5.70%	197 5.46%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
Total # of Combination Red Flagged Opioid Prescriptions	125,994	8,616	9,877	11,643	11,708	12,230	13,437	13,682	10,035	8,757	7,545	6,217	4,602	4,036	3,609
Red Flag Computation 37	354	7	7	19	49	29	24	46	49	39	33	18	17	14	3
	0.28%	0.08%	0.07%	0.16%	0.42%	0.24%	0.18%	0.34%	0.49%	0.45%	0.44%	0.29%	0.37%	0.35%	0.08%
Red Flag Computation 38	78,982	4,985	6,008	6,929	7,068	7,351	8,192	8,380	6,834	5,995	5,216	4,230	3,150	2,588	2,056
	47.96%	44.90%	46.77%	46.40%	46.76%	46.46%	46.95%	47.31%	50.80%	51.04%	51.73%	51.04%	50.98%	48.54%	44.35%
Red Flag Computation 39	6,177	331	648	640	676	728	862	689	557	375	291	196	98	54	32
	3.75%	2.98%	5.04%	4.29%	4.47%	4.60%	4.94%	3.89%	4.14%	3.19%	2.89%	2.36%	1.59%	1.01%	0.69%
Red Flag Computation 40	3,047	167	161	159	251	274	285	222	200	252	332	251	218	157	118
	2.42%	1.94%	1.63%	1.37%	2.14%	2.24%	2.12%	1.62%	1.99%	2.88%	4.40%	4.04%	4.74%	3.89%	3.27%
Red Flag Computation 41	27,997	2,047	2,388	2,866	2,668	2,646	2,933	3,126	2,188	1,843	1,564	1,356	966	750	656
	17.00%	18.44%	18.59%	19.19%	17.65%	16.72%	16.81%	17.65%	16.27%	15.69%	15.51%	16.36%	15.63%	14.07%	14.15%
Red Flag Computation 42	11,386	1,142	1,123	1,100	1,056	1,197	1,213	1,068	905	801	529	336	322	311	283
	6.91%	10.29%	8.74%	7.37%	6.99%	7.57%	6.95%	6.03%	6.73%	6.82%	5.25%	4.05%	5.21%	5.83%	6.10%
Red Flag Computation 43	175	0	0	102	39	16	4	8	1	5	0	0	0	0	0
	0.11%	0.00%	0.00%	0.68%	0.26%	0.10%	0.02%	0.05%	0.01%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	164,698	11,103	12,846	14,932	15,117	15,821	17,450	17,713	13,452	11,746	10,083	8,288	6,179	5,332	4,636
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

NotesDefendant

CVS
 Giant Eagle/HBC
 Rite Aid
 Walgreens
 Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
 January 1, 2006 to December 3, 2019
 January 1, 2006 to November 19, 2019
 January 3, 2006 to January 3, 2020
 January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 1	181,641 2.09%	12,013 2.15%	14,551 2.21%	13,242 1.65%	13,228 1.63%	12,796 1.53%	21,468 2.25%	20,792 2.13%	13,727 1.90%	16,060 2.65%	11,754 2.34%	8,282 1.92%	7,762 2.39%	6,977 2.54%	8,989 3.58%
Red Flag Computation 2	1,633,487 18.77%	118,961 21.34%	125,930 19.15%	141,517 17.66%	137,626 16.98%	135,708 16.19%	166,715 17.50%	146,964 15.06%	132,754 18.39%	118,880 19.58%	101,706 20.29%	99,486 23.11%	82,355 25.40%	69,307 25.24%	55,578 22.13%
Red Flag Computation 3	1,402,869 16.12%	91,142 16.35%	109,361 16.63%	138,559 17.29%	140,089 17.28%	133,441 15.92%	159,719 16.77%	158,746 16.27%	121,563 16.84%	94,550 15.57%	73,933 14.75%	67,022 15.57%	47,238 14.57%	37,428 13.63%	30,078 11.97%
Red Flag Computation 4	479,467 5.51%	22,813 4.09%	36,642 5.57%	37,987 4.74%	43,721 5.39%	40,049 4.78%	48,205 5.06%	52,538 5.38%	41,364 5.73%	43,981 7.24%	36,389 7.26%	29,454 6.84%	16,691 5.15%	16,534 6.02%	13,099 5.21%
Red Flag Computation 5	1,579,447 14.38%	95,547 13.45%	119,485 14.31%	130,460 13.08%	157,986 15.37%	150,246 14.26%	196,096 16.46%	185,184 15.26%	155,679 16.88%	118,002 15.02%	85,435 13.37%	75,126 13.84%	47,142 11.49%	36,656 10.67%	26,403 8.59%
Red Flag Computation 6	477,568 4.35%	24,934 3.51%	43,755 5.24%	47,574 4.77%	56,538 5.50%	57,698 5.47%	67,102 5.63%	51,518 4.24%	47,888 5.19%	31,777 4.05%	22,189 3.47%	15,602 2.87%	6,122 1.49%	3,459 1.01%	1,412 0.46%
Red Flag Computation 7	6,136,126 55.88%	394,089 55.46%	459,158 54.99%	526,268 52.76%	559,872 54.47%	574,837 54.54%	646,373 54.26%	641,825 52.88%	529,162 57.38%	474,844 60.45%	397,240 62.16%	326,202 60.08%	246,284 60.03%	202,867 59.07%	157,105 51.14%
Red Flag Computation 8	4,274,509 38.93%	265,139 37.31%	320,851 38.43%	363,670 36.46%	389,660 37.91%	401,482 38.09%	436,257 36.62%	442,561 36.46%	367,201 39.82%	337,496 42.96%	285,364 44.65%	228,558 42.10%	173,334 42.25%	144,930 42.20%	118,006 38.41%
Red Flag Computation 9	333,147 3.83%	13,422 2.41%	18,620 2.83%	22,685 2.83%	25,252 3.12%	26,050 3.11%	42,997 4.51%	30,423 3.12%	29,062 4.03%	27,990 4.61%	30,639 6.11%	24,610 5.72%	15,194 4.69%	14,889 5.42%	11,314 4.50%
Red Flag Computation 10	338,426 3.89%	43,079 7.73%	30,290 4.61%	17,293 2.16%	17,726 2.19%	15,490 1.85%	20,692 2.17%	16,351 1.68%	19,206 2.66%	15,544 2.56%	17,333 3.46%	11,306 2.63%	8,580 2.65%	3,528 1.28%	102,008 40.61%
Red Flag Computation 11	248,228 2.85%	43,079 7.73%	30,290 4.61%	17,293 2.16%	17,726 2.19%	15,490 1.85%	20,692 2.17%	16,351 1.68%	19,206 2.66%	15,544 2.56%	17,333 3.46%	11,306 2.63%	8,580 2.65%	3,528 1.28%	11,810 4.70%
Red Flag Computation 12	551,602 6.34%	25,169 4.51%	43,928 6.68%	52,647 6.57%	51,246 6.32%	53,861 6.43%	60,535 6.36%	78,295 8.02%	51,124 7.08%	43,803 7.22%	30,216 6.03%	9,271 2.15%	10,481 3.23%	16,032 5.84%	24,994 9.95%
Red Flag Computation 13	1,296,762 14.90%	88,139 15.81%	128,185 19.50%	178,928 22.32%	169,874 20.96%	178,921 21.35%	221,555 23.26%	242,863 24.89%	40,393 5.60%	12,751 2.10%	10,450 2.08%	4,957 1.15%	4,210 1.30%	6,342 2.31%	9,194 3.66%
Red Flag Computation 14	326,967 3.76%	21,966 3.94%	39,080 5.94%	48,541 6.06%	41,776 5.15%	41,527 4.95%	43,499 4.57%	39,311 4.03%	29,595 4.10%	21,672 3.57%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	3,162,783 36.34%	197,737 35.47%	251,716 38.28%	305,341 38.09%	304,971 37.62%	305,964 36.50%	340,710 35.77%	360,055 36.90%	289,479 40.10%	227,258 37.43%	157,103 31.34%	144,045 33.46%	113,517 35.02%	92,076 33.54%	72,811 28.99%
Red Flag Computation 16	231,407 2.66%	0 0.00%	2,843 0.43%	71,195 8.88%	46,600 5.75%	35,716 4.26%	16,915 1.78%	28,246 2.89%	15,139 2.10%	9,197 1.51%	2,659 0.53%	1,847 0.43%	318 0.10%	682 0.25%	50 0.02%
Red Flag Computation 17	1,061,886 9.67%	77,221 10.87%	84,360 10.10%	88,799 8.90%	91,478 8.90%	85,251 8.09%	115,178 9.67%	97,390 8.02%	85,786 9.30%	73,454 9.35%	62,536 9.79%	60,719 11.18%	53,696 13.09%	46,637 13.58%	39,381 12.82%
Red Flag Computation 18	478,078 5.49%	32,433 5.82%	34,883 5.31%	45,003 5.61%	41,138 5.08%	43,286 5.16%	51,784 5.44%	45,008 4.61%	46,236 6.41%	37,229 6.13%	32,480 6.48%	28,674 6.66%	16,797 5.18%	12,483 4.55%	10,644 4.24%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 19	208,545 2.40%	14,486 2.60%	13,945 2.12%	16,950 2.11%	15,445 1.91%	18,280 2.18%	26,363 2.77%	18,551 1.90%	21,593 2.99%	18,958 3.12%	16,366 3.26%	10,687 2.48%	8,060 2.49%	4,948 1.80%	3,913 1.56%
Red Flag Computation 20	598,620 6.88%	39,698 7.12%	46,909 7.13%	51,188 6.39%	54,786 6.76%	60,657 7.24%	69,524 7.30%	64,412 6.60%	52,707 7.30%	43,977 7.24%	35,956 7.17%	27,209 6.32%	21,833 6.73%	16,962 6.18%	12,802 5.10%
Red Flag Computation 21	409,884 4.71%	27,254 4.89%	34,263 5.21%	38,886 4.85%	34,291 4.23%	42,211 5.04%	48,051 5.04%	43,318 4.44%	37,581 5.21%	28,131 4.63%	25,009 4.99%	17,787 4.13%	11,999 3.70%	12,336 4.49%	8,767 3.49%
Red Flag Computation 22	4,534 0.05%	165 0.03%	156 0.02%	386 0.05%	229 0.03%	361 0.04%	1,197 0.13%	248 0.03%	589 0.08%	581 0.10%	186 0.04%	361 0.08%	0 0.00%	60 0.02%	15 0.01%
Red Flag Computation 23	6,543 0.08%	188 0.03%	348 0.05%	440 0.05%	399 0.05%	380 0.05%	1,641 0.17%	475 0.05%	668 0.09%	1,302 0.21%	290 0.06%	412 0.10%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 24	637,550 7.32%	33,195 5.95%	45,467 6.91%	53,995 6.74%	56,298 6.95%	56,942 6.79%	65,570 6.88%	63,376 6.49%	56,853 7.88%	52,840 8.70%	49,593 9.89%	39,716 9.22%	22,321 6.89%	21,087 7.68%	20,297 8.08%
Red Flag Computation 25	496,557 5.70%	25,169 4.51%	43,928 6.68%	52,647 6.57%	51,246 6.32%	53,861 6.43%	60,535 8.02%	78,295 5.01%	36,180 4.49%	27,273 4.22%	21,175 4.22%	6,640 1.54%	8,004 2.47%	12,898 4.70%	18,706 7.45%
Red Flag Computation 26	1,292,862 14.85%	88,139 15.81%	128,185 19.50%	178,928 22.32%	169,874 20.96%	178,921 21.35%	221,555 23.26%	242,863 24.89%	38,796 5.37%	11,474 1.89%	9,680 1.93%	4,844 1.13%	4,068 1.25%	6,123 2.23%	9,412 3.75%
Red Flag Computation 27	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 28	280 0.00%	0 0.00%	240 0.04%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	40 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 29	244,104 2.80%	17,646 3.17%	28,529 4.34%	35,505 4.43%	30,030 3.70%	30,596 3.65%	32,507 3.41%	29,201 2.99%	23,608 3.27%	16,482 2.71%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 30	773,725 8.89%	53,934 9.67%	69,247 10.53%	90,167 11.25%	83,594 10.31%	81,495 9.72%	92,734 9.74%	92,873 9.52%	79,496 11.01%	56,277 9.27%	22,530 4.49%	16,748 3.89%	13,067 4.03%	11,374 4.14%	10,189 4.06%
Red Flag Computation 31	812,608 9.34%	26,991 4.84%	52,541 7.99%	84,767 10.58%	78,435 9.68%	80,616 9.62%	90,414 9.49%	103,397 10.60%	84,851 11.75%	62,993 10.38%	33,554 6.69%	39,142 9.09%	33,575 10.36%	18,869 6.87%	22,463 8.94%
Red Flag Computation 32	23,218 0.27%	0 0.00%	660 0.10%	8,867 1.11%	3,763 0.46%	2,298 0.27%	1,120 0.12%	2,410 0.25%	2,740 0.38%	1,240 0.20%	0 0.00%	0 0.00%	0 0.00%	120 0.04%	0 0.00%
Red Flag Computation 33	115,247 1.32%	10,478 1.88%	9,192 1.40%	9,495 1.18%	11,671 1.44%	9,611 1.15%	11,334 1.19%	11,368 1.16%	7,755 1.07%	8,610 1.42%	7,601 1.52%	7,044 1.64%	4,310 1.33%	4,199 1.53%	2,579 1.03%
Red Flag Computation 34	152,914 1.76%	190 0.03%	1,614 0.25%	2,092 0.26%	3,320 0.41%	4,195 0.50%	5,406 0.57%	7,049 0.72%	11,567 1.60%	10,096 1.66%	28,856 5.76%	29,350 6.82%	21,723 6.70%	13,640 4.97%	13,816 5.50%
Red Flag Computation 35	610,250 7.01%	75,980 13.63%	66,652 10.14%	62,528 7.80%	57,487 7.09%	57,827 6.90%	47,151 4.95%	47,362 4.85%	45,594 6.32%	34,117 5.62%	29,681 5.92%	24,947 5.79%	18,802 5.80%	20,252 7.38%	21,870 8.71%
Red Flag Computation 36	460,810 5.29%	47,339 8.49%	44,003 6.69%	53,218 6.64%	40,856 5.04%	42,774 5.10%	46,000 4.83%	34,376 3.52%	28,356 3.93%	30,134 4.96%	29,251 5.84%	24,299 5.64%	15,445 4.76%	12,915 4.70%	11,844 4.71%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	10,980,502	710,606	834,993	997,504	1,027,769	1,053,967	1,191,147	1,213,832	922,252	785,567	639,045	542,914	410,238	343,451	307,217
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	8,704,392	557,511	657,519	801,542	810,560	838,165	952,550	975,835	721,839	607,078	501,295	430,556	324,178	274,564	251,200
Red Flag Computation 37	43,059 0.49%	684 0.12%	720 0.11%	1,615 0.20%	4,955 0.61%	2,980 0.36%	2,574 0.27%	4,265 0.44%	6,790 0.94%	4,307 0.71%	2,610 0.52%	4,320 1.00%	3,339 1.03%	3,540 1.29%	360 0.14%
Red Flag Computation 38	5,473,613 49.85%	351,191 49.42%	418,485 50.12%	478,207 47.94%	512,871 49.90%	515,794 48.94%	571,281 47.96%	589,953 48.60%	475,382 51.55%	417,699 53.17%	345,136 54.01%	280,597 51.68%	207,053 50.47%	169,462 49.34%	140,502 45.73%
Red Flag Computation 39	469,210 4.27%	24,934 3.51%	43,755 5.24%	47,574 4.77%	56,538 5.50%	57,698 5.47%	67,102 5.63%	51,518 4.24%	43,354 4.70%	30,612 3.90%	21,739 3.40%	14,597 2.69%	5,578 1.36%	3,009 0.88%	1,202 0.39%
Red Flag Computation 40	200,495 2.30%	13,778 2.47%	13,420 2.04%	12,038 1.50%	18,696 2.31%	19,484 2.32%	22,320 2.34%	13,798 1.41%	11,883 1.65%	14,316 2.36%	17,878 3.57%	14,228 3.30%	13,073 4.03%	8,968 3.27%	6,615 2.63%
Red Flag Computation 41	2,187,066 19.92%	151,017 21.25%	180,042 21.56%	220,614 22.12%	220,179 21.42%	205,613 19.51%	230,574 19.36%	252,254 20.78%	172,698 18.73%	146,280 18.62%	116,911 18.29%	105,797 19.49%	73,464 17.91%	59,429 17.30%	52,194 16.99%
Red Flag Computation 42	670,664 6.11%	62,591 8.81%	59,535 7.13%	64,023 6.42%	68,368 6.65%	67,414 6.40%	77,379 6.50%	65,290 5.38%	56,709 6.15%	55,390 7.05%	30,226 4.73%	18,214 3.35%	17,058 4.16%	15,657 4.56%	12,810 4.17%
Red Flag Computation 43	10,328 0.09%	0 0.00%	0 0.00%	5,577 0.56%	3,188 0.31%	834 0.08%	125 0.01%	354 0.03%	0 0.00%	250 0.03%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Flagged for Any of the Red Flag Computation 1-43	10,980,502 100.00%	710,606 100.00%	834,993 100.00%	997,504 100.00%	1,027,769 100.00%	1,053,967 100.00%	1,191,147 100.00%	1,213,832 100.00%	922,252 100.00%	785,567 100.00%	639,045 100.00%	542,914 100.00%	410,238 100.00%	343,451 100.00%	307,217 100.00%

NotesDefendant

CVS
 Giant Eagle/HBC
 Rite Aid
 Walgreens
 Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
 January 1, 2006 to December 3, 2019
 January 1, 2006 to November 19, 2019
 January 3, 2006 to January 3, 2020
 January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 1	2,400,915 2.05%	129,125 1.49%	162,508 1.88%	162,205 1.56%	176,093 1.65%	163,153 1.50%	309,418 2.53%	330,380 2.72%	221,170 2.37%	216,103 2.61%	133,945 1.76%	98,406 1.60%	94,298 1.99%	93,960 2.40%	110,153 3.30%
Red Flag Computation 2	21,191,385 18.12%	1,773,992 20.45%	1,600,904 18.48%	1,856,424 17.88%	1,733,657 16.20%	1,561,764 14.38%	2,112,389 17.26%	2,104,344 17.33%	1,641,905 17.63%	1,405,518 17.00%	1,170,422 15.38%	1,201,507 19.54%	1,187,354 25.12%	1,090,833 27.88%	750,372 22.48%
Red Flag Computation 3	21,012,270 17.96%	1,527,694 17.61%	1,697,260 19.59%	2,118,781 20.41%	2,169,774 20.28%	1,892,178 17.42%	2,353,582 19.23%	2,375,257 18.18%	1,693,540 18.18%	1,317,274 15.94%	1,093,962 14.38%	945,999 15.39%	805,868 17.05%	600,727 15.36%	420,376 12.60%
Red Flag Computation 4	7,884,630 6.74%	431,464 4.97%	735,881 8.49%	661,648 6.37%	722,119 6.75%	695,471 6.40%	838,266 6.85%	851,492 7.01%	738,094 7.92%	653,540 7.91%	479,163 6.30%	359,759 5.85%	260,621 5.51%	258,032 6.60%	199,083 5.97%
Red Flag Computation 5	13,408,620 11.46%	910,410 10.49%	791,937 9.14%	978,220 9.42%	1,577,045 14.74%	1,320,293 12.16%	1,651,996 13.50%	1,449,139 11.94%	1,124,182 12.07%	999,975 12.10%	764,000 10.04%	576,330 9.37%	415,717 8.79%	515,309 13.17%	334,068 10.01%
Red Flag Computation 6	3,070,248 2.62%	176,548 2.03%	186,397 2.15%	183,453 1.77%	357,233 3.34%	431,787 3.98%	551,664 4.51%	318,303 2.62%	305,500 3.28%	261,585 3.16%	128,336 1.69%	100,795 1.64%	42,515 0.90%	17,185 0.44%	8,950 0.27%
Red Flag Computation 7	59,193,819 50.60%	4,077,151 46.99%	4,150,347 47.90%	4,623,359 44.54%	5,331,527 49.83%	5,508,065 50.71%	6,232,900 54.87%	5,908,245 53.48%	4,981,355 57.10%	4,719,892 58.82%	3,315,275 53.92%	2,431,861 51.45%	2,016,291 51.54%	1,421,990 42.61%	
Red Flag Computation 8	33,158,422 28.35%	2,251,011 25.94%	2,438,811 28.15%	2,492,112 24.01%	2,800,495 26.17%	3,241,877 29.85%	3,622,533 29.60%	3,296,397 27.15%	2,809,465 30.17%	2,612,765 31.61%	2,517,612 33.09%	1,874,780 30.49%	1,298,020 27.46%	1,018,537 26.04%	884,008 26.49%
Red Flag Computation 9	4,874,088 4.17%	249,351 2.87%	288,322 3.33%	244,890 2.36%	279,074 2.61%	337,065 3.10%	647,988 5.29%	394,093 3.25%	411,313 4.42%	389,634 4.71%	489,388 6.43%	425,456 6.92%	283,661 6.00%	269,408 6.89%	164,448 4.93%
Red Flag Computation 10	21,948,821 18.76%	2,549,722 29.39%	1,571,878 18.14%	1,877,330 18.09%	2,042,150 19.09%	1,873,814 17.25%	2,121,302 17.33%	1,657,544 13.65%	1,459,790 15.67%	1,422,147 17.21%	1,640,394 21.56%	890,799 14.49%	558,180 11.81%	282,440 7.22%	2,001,331 59.97%
Red Flag Computation 11	20,497,938 17.52%	2,549,722 29.39%	1,571,878 18.14%	1,877,330 18.09%	2,042,150 19.09%	1,873,814 17.25%	2,121,302 17.33%	1,657,544 13.65%	1,459,790 15.67%	1,422,147 17.21%	1,640,394 21.56%	890,799 14.49%	558,180 11.81%	282,440 7.22%	550,448 16.49%
Red Flag Computation 12	4,908,563 4.20%	196,595 2.27%	363,845 4.20%	454,288 4.38%	433,220 4.05%	487,595 4.49%	529,948 4.33%	654,988 5.40%	442,650 4.75%	402,973 4.88%	313,543 4.12%	81,195 1.32%	103,910 2.20%	166,778 4.26%	277,038 8.30%
Red Flag Computation 13	10,777,933 9.21%	687,455 7.92%	1,043,116 12.04%	1,443,424 13.91%	1,376,000 12.86%	1,527,110 14.06%	1,888,750 15.43%	1,977,248 16.29%	343,208 3.69%	118,788 1.44%	112,183 1.47%	39,538 0.64%	42,834 0.91%	70,750 1.81%	107,533 3.22%
Red Flag Computation 14	2,467,666 2.11%	158,155 1.82%	292,100 3.37%	364,250 3.51%	314,593 2.94%	328,653 3.03%	332,115 2.71%	292,710 2.41%	226,043 2.43%	159,049 1.92%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	60,944,306 52.10%	4,613,805 53.17%	4,567,887 52.72%	5,668,292 54.61%	5,928,271 55.41%	5,628,954 51.82%	6,109,470 49.92%	6,134,271 50.53%	4,944,783 53.09%	4,413,716 53.40%	3,935,708 51.73%	3,208,550 52.18%	2,451,178 51.85%	2,050,801 52.42%	1,288,621 38.61%
Red Flag Computation 16	1,989,795 1.70%	0 0.00%	21,490 0.25%	654,134 6.30%	415,958 3.89%	285,054 2.62%	138,164 1.13%	232,146 1.91%	116,767 1.25%	81,893 0.99%	21,746 0.29%	13,148 0.21%	2,826 0.06%	6,170 0.16%	300 0.01%
Red Flag Computation 17	13,034,680 11.14%	1,113,308 12.83%	1,030,195 11.89%	1,217,335 11.73%	1,034,743 9.67%	888,161 8.18%	1,275,687 10.42%	1,291,427 10.64%	989,820 10.63%	743,534 9.00%	653,650 8.59%	716,003 11.65%	781,392 16.53%	780,160 19.94%	519,266 15.56%
Red Flag Computation 18	5,515,866 4.72%	422,420 4.87%	461,273 5.32%	499,005 4.81%	493,134 4.61%	415,127 3.82%	606,145 4.95%	563,998 4.65%	480,325 5.16%	365,094 4.42%	369,388 4.85%	328,479 5.34%	209,837 4.44%	172,229 4.40%	129,414 3.88%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
 Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 19	2,631,506 2.25%	178,658 2.06%	194,758 2.25%	198,128 1.91%	217,136 2.03%	200,830 1.85%	378,475 3.09%	259,417 2.14%	232,161 2.49%	213,206 2.58%	201,869 2.65%	126,898 2.06%	102,496 2.17%	62,359 1.59%	65,117 1.95%
Red Flag Computation 20	8,918,784 7.62%	667,669 7.69%	767,985 8.86%	894,590 8.62%	945,564 8.84%	892,014 8.21%	1,049,426 8.57%	944,727 7.78%	656,101 7.04%	501,205 6.06%	492,305 6.47%	317,891 5.17%	344,672 7.29%	228,224 5.83%	216,413 6.48%
Red Flag Computation 21	5,599,037 4.79%	380,496 4.39%	498,148 5.75%	506,798 4.88%	461,558 4.31%	575,147 5.30%	757,605 6.19%	579,838 4.78%	510,810 5.48%	298,916 3.62%	329,971 4.34%	237,796 3.87%	180,938 3.83%	167,442 4.28%	113,576 3.40%
Red Flag Computation 22	67,818 0.06%	1,463 0.02%	880 0.01%	3,135 0.03%	1,488 0.01%	7,195 0.07%	24,670 0.20%	4,180 0.03%	8,835 0.09%	11,745 0.14%	1,568 0.02%	2,098 0.03%	0 0.00%	450 0.01%	113 0.00%
Red Flag Computation 23	114,093 0.10%	2,535 0.03%	3,800 0.04%	3,105 0.03%	2,888 0.03%	7,225 0.07%	36,273 0.30%	6,713 0.06%	12,880 0.14%	31,815 0.38%	2,850 0.04%	2,210 0.04%	0 0.00%	1,800 0.05%	0 0.00%
Red Flag Computation 24	9,963,003 8.52%	617,790 7.12%	829,121 9.57%	902,155 8.69%	886,931 8.29%	934,533 8.60%	1,054,888 8.62%	950,834 7.83%	903,412 9.70%	747,595 9.04%	647,623 8.51%	509,728 8.29%	336,857 7.13%	346,661 8.86%	294,875 8.84%
Red Flag Computation 25	4,370,100 3.74%	196,595 2.27%	363,845 4.20%	454,288 4.38%	433,220 4.05%	487,595 4.49%	529,948 5.40%	654,988 3.32%	308,940 3.05%	252,135 3.05%	215,610 2.83%	55,665 0.91%	76,090 1.61%	133,338 3.41%	207,845 6.23%
Red Flag Computation 26	10,738,721 9.18%	687,455 7.92%	1,043,116 12.04%	1,443,424 13.91%	1,376,000 12.86%	1,527,110 14.06%	1,888,750 15.43%	1,977,248 16.29%	330,543 3.55%	106,348 1.29%	102,783 1.35%	38,470 0.63%	41,319 0.87%	67,830 1.73%	108,328 3.25%
Red Flag Computation 27	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 28	2,000 0.00%	0 0.00%	1,800 0.02%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	200 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 29	1,826,016 1.56%	126,760 1.46%	214,095 2.47%	262,918 2.53%	222,393 2.08%	238,280 2.19%	243,610 1.99%	215,665 1.78%	181,148 1.94%	121,149 1.47%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 30	9,571,323 8.18%	809,688 9.33%	855,548 9.87%	1,029,664 9.92%	1,021,556 9.55%	1,061,771 9.78%	1,163,676 9.51%	1,033,447 8.51%	857,224 9.20%	658,719 7.97%	341,751 4.49%	234,313 3.81%	219,803 4.65%	158,395 4.05%	125,770 3.77%
Red Flag Computation 31	9,472,584 8.10%	388,153 4.47%	522,245 6.03%	806,985 7.77%	836,113 7.81%	993,199 9.14%	1,064,854 8.70%	1,085,758 8.94%	849,597 9.12%	628,583 7.60%	651,378 8.56%	587,783 9.56%	499,883 10.57%	281,020 7.18%	277,038 8.30%
Red Flag Computation 32	291,930 0.25%	0 0.00%	5,325 0.06%	134,020 1.29%	43,445 0.41%	20,545 0.19%	14,490 0.12%	25,940 0.21%	34,260 0.37%	11,685 0.14%	0 0.00%	0 0.00%	0 0.00%	2,220 0.06%	0 0.00%
Red Flag Computation 33	4,302,023 3.68%	327,278 3.77%	303,810 3.51%	404,368 3.90%	369,977 3.46%	449,204 4.14%	459,779 3.76%	357,832 2.95%	252,149 2.71%	448,727 5.43%	320,222 4.21%	296,000 4.81%	130,501 2.76%	116,330 2.97%	65,850 1.97%
Red Flag Computation 34	2,838,425 2.43%	10,408 0.12%	38,340 0.44%	64,592 0.62%	84,600 0.79%	145,717 1.34%	145,026 1.18%	229,755 1.89%	319,892 3.43%	249,731 3.02%	428,008 5.63%	437,254 7.11%	310,682 6.57%	180,955 4.63%	193,467 5.80%
Red Flag Computation 35	10,690,199 9.14%	1,349,634 15.55%	1,051,237 12.13%	1,013,100 9.76%	985,015 9.21%	1,099,533 10.12%	861,834 7.04%	768,640 6.33%	711,004 7.63%	724,957 8.77%	567,493 7.46%	503,498 8.19%	369,587 7.82%	360,774 9.22%	323,894 9.70%
Red Flag Computation 36	5,045,497 4.31%	720,796 8.31%	502,927 5.80%	588,731 5.67%	410,538 3.84%	370,968 3.42%	517,443 4.23%	427,303 3.52%	281,436 3.02%	322,832 3.91%	251,754 3.31%	246,213 4.00%	158,440 3.35%	112,373 2.87%	133,746 4.01%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County and Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Total MME of Combination Red Flagged Opioid Prescriptions	116,972,378	8,676,733	8,663,788	10,379,839	10,699,454	10,861,712	12,238,692	12,139,320	9,313,615	8,265,486	7,608,837	6,148,491	4,727,080	3,911,900	3,337,431
Red Flag Computation 37	432,179 0.37%	7,695 0.09%	8,100 0.09%	14,575 0.14%	42,675 0.40%	29,825 0.27%	24,476 0.20%	31,325 0.26%	42,513 0.46%	28,510 0.34%	36,625 0.48%	62,100 1.01%	46,948 0.99%	51,750 1.32%	5,063 0.15%
Red Flag Computation 38	44,444,172 38.00%	3,220,568 37.12%	3,345,713 38.62%	3,865,647 37.24%	3,935,438 36.78%	4,216,007 38.82%	4,713,709 38.51%	4,783,797 39.41%	3,672,098 39.43%	3,302,238 39.95%	3,066,821 40.31%	2,354,231 38.29%	1,603,201 33.92%	1,261,216 32.24%	1,103,489 33.06%
Red Flag Computation 39	2,995,710 2.56%	176,548 2.03%	186,397 2.15%	183,453 1.77%	357,233 3.34%	431,787 3.98%	551,664 4.51%	318,303 2.62%	268,788 2.89%	250,235 3.03%	124,061 1.63%	86,545 1.41%	38,165 0.81%	14,485 0.37%	8,050 0.24%
Red Flag Computation 40	7,354,638 6.29%	505,781 5.83%	357,964 4.13%	396,370 3.82%	698,187 6.53%	685,380 6.31%	742,314 6.07%	587,712 4.84%	444,191 4.77%	736,679 8.91%	792,845 10.42%	470,252 7.65%	433,016 9.16%	277,782 7.10%	226,168 6.78%
Red Flag Computation 41	20,017,728 17.11%	1,592,550 18.35%	1,504,713 17.37%	2,046,339 19.71%	1,989,128 18.59%	1,862,930 17.15%	2,280,369 18.63%	2,216,264 18.26%	1,428,729 15.34%	1,309,093 15.84%	1,295,648 17.03%	1,020,423 16.60%	571,770 12.10%	475,760 12.16%	424,014 12.70%
Red Flag Computation 42	7,896,385 6.75%	595,955 6.87%	425,315 4.91%	765,033 7.37%	1,051,065 9.82%	914,807 8.42%	968,848 7.92%	561,086 4.62%	597,187 6.41%	750,880 9.08%	409,486 5.38%	184,124 2.99%	237,994 5.03%	310,939 7.95%	123,668 3.71%
Red Flag Computation 43	113,638 0.10%	0 0.00%	0 0.00%	65,700 0.63%	39,965 0.37%	4,308 0.04%	800 0.01%	690 0.01%	300 0.00%	1,875 0.02%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Flagged for Any of the Red Flag Computation 1-43	116,972,378 100.00%	8,676,733 100.00%	8,663,788 100.00%	10,379,839 100.00%	10,699,454 100.00%	10,861,712 100.00%	12,238,692 100.00%	12,139,320 100.00%	9,313,615 100.00%	8,265,486 100.00%	7,608,837 100.00%	6,148,491 100.00%	4,727,080 100.00%	3,911,900 100.00%	3,337,431 100.00%

NotesDefendant

CVS
Giant Eagle/HBC
Rite Aid
Walgreens
Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
January 1, 2006 to December 3, 2019
January 1, 2006 to November 19, 2019
January 3, 2006 to January 3, 2020
January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 1	1,791 3.91%	85 3.73%	132 4.87%	100 2.82%	100 2.44%	120 2.90%	206 4.14%	205 3.92%	162 4.08%	210 5.74%	145 4.14%	81 2.90%	89 4.56%	91 5.71%	65 4.74%
Red Flag Computation 2	13,128 28.67%	788 34.61%	829 30.56%	981 27.71%	998 24.38%	988 23.92%	1,287 25.90%	1,212 23.18%	1,209 30.43%	1,222 33.41%	1,240 35.40%	913 32.71%	635 32.51%	501 31.45%	325 23.71%
Red Flag Computation 3	7,742 16.91%	456 20.03%	483 17.80%	584 16.50%	737 18.01%	686 16.61%	796 16.02%	874 16.71%	800 20.14%	647 17.69%	557 15.90%	409 14.65%	277 14.18%	217 13.62%	219 15.97%
Red Flag Computation 4	2,710 5.92%	108 4.74%	161 5.93%	171 4.83%	267 6.52%	269 6.51%	270 5.43%	365 6.98%	264 6.64%	178 4.87%	222 6.34%	166 5.95%	113 5.79%	89 5.59%	67 4.89%
Red Flag Computation 5	7,102 12.48%	367 13.19%	446 13.14%	493 11.29%	644 12.77%	688 13.31%	813 13.15%	778 12.08%	694 13.70%	593 12.80%	505 11.55%	391 11.16%	274 11.32%	244 12.57%	172 10.77%
Red Flag Computation 6	1,708 3.00%	64 2.30%	142 4.18%	135 3.09%	181 3.59%	231 4.47%	263 4.25%	222 3.45%	126 2.49%	152 3.28%	99 2.26%	36 1.03%	17 0.70%	19 0.98%	21 1.31%
Red Flag Computation 7	27,418 48.18%	1,259 45.24%	1,594 46.97%	1,960 44.90%	2,228 44.16%	2,429 46.98%	2,917 47.18%	2,956 45.89%	2,635 52.03%	2,440 52.68%	2,263 51.77%	1,858 53.01%	1,277 52.75%	979 50.44%	623 39.01%
Red Flag Computation 8	17,163 30.16%	761 27.34%	1,009 29.73%	1,274 29.19%	1,434 28.42%	1,611 31.16%	1,879 30.39%	1,894 29.40%	1,610 31.79%	1,484 32.04%	1,437 32.88%	1,150 32.81%	731 30.19%	543 27.98%	346 21.67%
Red Flag Computation 9	1,815 3.96%	85 3.73%	91 3.35%	84 2.37%	78 1.91%	80 1.94%	134 2.70%	111 2.12%	143 3.60%	221 6.04%	228 6.51%	176 6.31%	144 7.37%	129 8.10%	111 8.10%
Red Flag Computation 10	1,000 2.18%	56 2.46%	14 0.52%	41 1.16%	39 0.95%	54 1.31%	61 1.23%	55 1.05%	37 0.93%	32 0.87%	71 2.03%	53 1.90%	43 2.20%	15 0.94%	429 31.29%
Red Flag Computation 11	639 1.40%	56 2.46%	14 0.52%	41 1.16%	39 0.95%	54 1.31%	61 1.23%	55 1.05%	37 0.93%	32 0.87%	71 2.03%	53 1.90%	43 2.20%	15 0.94%	68 4.96%
Red Flag Computation 12	1,936 4.23%	71 3.12%	114 4.20%	139 3.93%	168 4.10%	158 3.82%	277 5.57%	307 5.87%	136 3.42%	109 2.98%	82 2.34%	45 1.61%	53 2.71%	96 6.03%	181 13.20%
Red Flag Computation 13	5,401 11.79%	279 12.25%	408 15.04%	674 19.04%	634 15.49%	746 18.06%	1,130 22.74%	1,174 22.45%	149 3.75%	37 1.01%	33 0.94%	26 0.93%	19 0.97%	26 1.63%	66 4.81%
Red Flag Computation 14	1,246 2.72%	99 4.35%	144 5.31%	153 4.32%	162 3.96%	137 3.32%	196 3.94%	159 3.04%	110 2.77%	86 2.35%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	12,859 28.08%	749 32.89%	784 28.90%	806 22.77%	1,197 29.25%	1,018 24.64%	1,225 24.65%	1,370 26.20%	1,279 32.19%	1,160 31.71%	921 26.29%	847 30.35%	606 31.03%	516 32.39%	381 27.79%
Red Flag Computation 16	3,106 6.78%	0 0.00%	0 0.00%	640 18.08%	691 16.88%	605 14.65%	255 5.13%	424 8.11%	215 5.41%	142 3.88%	62 1.77%	41 1.47%	15 0.77%	14 0.88%	2 0.15%
Red Flag Computation 17	7,570 13.30%	472 16.96%	486 14.32%	573 13.13%	592 11.73%	534 10.33%	736 11.90%	687 10.66%	740 14.61%	711 15.35%	600 13.73%	510 14.55%	389 16.07%	333 17.16%	207 12.96%
Red Flag Computation 18	4,079 8.91%	231 10.14%	229 8.44%	275 7.77%	325 7.94%	341 8.25%	392 7.89%	408 7.80%	413 10.40%	399 10.91%	404 11.53%	276 9.89%	192 9.83%	112 7.03%	82 5.98%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 19	1,675 3.66%	97 4.26%	78 2.88%	108 3.05%	90 2.20%	128 3.10%	180 3.62%	177 3.38%	187 4.71%	176 4.81%	177 5.05%	124 4.44%	84 4.30%	40 2.51%	29 2.12%
Red Flag Computation 20	4,648 10.15%	252 11.07%	247 9.10%	333 9.41%	386 9.43%	397 9.61%	471 9.48%	547 10.46%	503 12.66%	419 11.45%	387 11.05%	285 10.21%	190 9.73%	117 7.34%	114 8.32%
Red Flag Computation 21	3,051 6.66%	194 8.52%	178 6.56%	218 6.16%	255 6.23%	308 7.46%	320 6.44%	307 5.87%	322 8.10%	259 7.08%	265 7.56%	173 6.20%	115 5.89%	71 4.46%	66 4.81%
Red Flag Computation 22	76 0.17%	4 0.18%	2 0.07%	6 0.17%	1 0.02%	9 0.22%	17 0.34%	8 0.15%	4 0.10%	10 0.27%	6 0.17%	7 0.25%	0 0.00%	1 0.06%	1 0.07%
Red Flag Computation 23	65 0.14%	4 0.18%	1 0.04%	6 0.17%	1 0.02%	6 0.15%	12 0.24%	6 0.11%	6 0.15%	14 0.38%	4 0.11%	4 0.14%	0 0.00%	1 0.06%	0 0.00%
Red Flag Computation 24	4,331 9.46%	169 7.42%	218 8.04%	364 10.28%	412 10.07%	454 10.99%	440 8.85%	502 9.60%	413 10.40%	298 8.15%	356 10.16%	264 9.46%	189 9.68%	128 8.04%	124 9.04%
Red Flag Computation 25	1,753 3.83%	71 3.12%	114 4.20%	139 3.93%	168 4.10%	158 3.82%	277 5.57%	307 5.87%	103 2.59%	67 1.83%	57 1.63%	36 1.29%	37 1.89%	81 5.08%	138 10.07%
Red Flag Computation 26	5,398 11.79%	279 12.25%	408 15.04%	674 19.04%	634 15.49%	746 18.06%	1,130 22.74%	1,174 22.45%	146 3.67%	36 0.98%	34 0.97%	26 0.93%	19 0.97%	25 1.57%	67 4.89%
Red Flag Computation 27	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 28	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 29	998 2.18%	76 3.34%	113 4.17%	116 3.28%	129 3.15%	109 2.64%	161 3.24%	126 2.41%	94 2.37%	74 2.02%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 30	3,719 8.12%	248 10.89%	291 10.73%	306 8.64%	414 10.11%	385 9.32%	490 9.86%	462 8.84%	398 10.02%	276 7.55%	150 4.28%	109 3.91%	66 3.38%	56 3.52%	68 4.96%
Red Flag Computation 31	2,418 5.28%	91 4.00%	140 5.16%	169 4.77%	265 6.47%	166 4.02%	288 5.79%	311 5.95%	260 6.54%	219 5.99%	123 3.51%	148 5.30%	98 5.02%	64 4.02%	76 5.54%
Red Flag Computation 32	200 0.44%	0 0.00%	0 0.00%	50 1.41%	34 0.83%	20 0.48%	15 0.30%	31 0.59%	35 0.88%	14 0.38%	0 0.00%	0 0.00%	0 0.00%	1 0.06%	0 0.00%
Red Flag Computation 33	568 1.24%	31 1.36%	25 0.92%	13 0.37%	73 1.78%	32 0.77%	50 1.01%	55 1.05%	40 1.01%	33 0.90%	34 0.97%	46 1.65%	43 2.20%	46 2.89%	47 3.43%
Red Flag Computation 34	959 2.09%	3 0.13%	1 0.04%	2 0.06%	16 0.39%	11 0.27%	22 0.44%	50 0.96%	73 1.84%	69 1.89%	161 4.60%	164 5.88%	145 7.42%	121 7.60%	121 8.83%
Red Flag Computation 35	3,859 8.43%	233 10.23%	337 12.42%	264 7.46%	389 9.50%	313 7.58%	221 4.45%	303 5.79%	364 9.16%	285 7.79%	278 7.94%	267 9.57%	180 9.22%	227 14.25%	198 14.44%
Red Flag Computation 36	5,000 10.92%	344 15.11%	326 12.02%	418 11.81%	383 9.36%	379 9.17%	510 10.26%	445 8.51%	392 9.87%	487 13.31%	590 16.84%	341 12.22%	164 8.40%	136 8.54%	85 6.20%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	56,913	2,783	3,394	4,365	5,045	5,170	6,183	6,442	5,064	4,632	4,371	3,505	2,421	1,941	1,597
Total # of Combination Red Flagged Opioid Prescriptions	45,795	2,277	2,713	3,540	4,093	4,131	4,970	5,229	3,973	3,658	3,503	2,791	1,953	1,593	1,371
Red Flag Computation 37	182 0.40%	0 0.00%	0 0.00%	11 0.31%	41 1.00%	23 0.56%	18 0.36%	38 0.73%	25 0.63%	21 0.57%	4 0.11%	0 0.00%	1 0.05%	0 0.00%	0 0.00%
Red Flag Computation 38	23,075 40.54%	1,076 38.66%	1,364 40.19%	1,826 41.83%	2,132 42.26%	2,193 42.42%	2,526 40.85%	2,612 40.55%	2,130 42.06%	1,938 41.84%	1,807 41.34%	1,408 40.17%	915 37.79%	693 35.70%	455 28.49%
Red Flag Computation 39	1,704 2.99%	64 2.30%	142 4.18%	135 3.09%	181 3.59%	231 4.47%	263 4.25%	222 3.45%	124 2.45%	152 3.28%	99 2.26%	36 1.03%	17 0.70%	19 0.98%	19 1.19%
Red Flag Computation 40	992 2.17%	66 2.90%	24 0.88%	33 0.93%	57 1.39%	82 1.98%	95 1.91%	53 1.01%	59 1.49%	116 3.17%	146 4.17%	105 3.76%	108 5.53%	31 1.95%	17 1.24%
Red Flag Computation 41	6,189 10.87%	398 14.30%	433 12.76%	549 12.58%	673 13.34%	600 11.61%	625 10.11%	744 11.55%	543 10.72%	430 9.28%	483 11.05%	352 10.04%	192 7.93%	109 5.62%	58 3.63%
Red Flag Computation 42	3,548 6.23%	232 8.34%	316 9.31%	256 5.86%	315 6.24%	319 6.17%	257 4.16%	305 4.73%	357 7.05%	372 8.03%	269 6.15%	162 4.62%	158 6.53%	143 7.37%	87 5.45%
Red Flag Computation 43	96 0.17%	0 0.00%	0 0.00%	38 0.87%	36 0.71%	9 0.17%	1 0.02%	6 0.09%	1 0.02%	5 0.11%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Flagged for Any of the Red Flag Computation 1-43	56,913 100.00%	2,783 100.00%	3,394 100.00%	4,365 100.00%	5,045 100.00%	5,170 100.00%	6,183 100.00%	6,442 100.00%	5,064 100.00%	4,632 100.00%	4,371 100.00%	3,505 100.00%	2,421 100.00%	1,941 100.00%	1,597 100.00%

Notes

Defendant

CVS
 Giant Eagle/HBC
 Rite Aid
 Walgreens
 Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
 January 1, 2006 to December 3, 2019
 January 1, 2006 to November 19, 2019
 January 3, 2006 to January 3, 2020
 January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 1	115,489 3.93%	4,763 3.49%	8,401 5.15%	6,110 2.62%	6,166 2.33%	7,086 2.65%	13,302 4.05%	13,715 3.94%	10,098 3.84%	11,897 5.35%	9,302 4.44%	6,663 3.71%	6,690 5.29%	5,787 5.64%	5,509 5.69%
Red Flag Computation 2	718,156 24.41%	42,119 30.87%	49,293 30.24%	61,983 26.59%	60,914 23.03%	55,730 20.82%	72,319 22.00%	63,721 18.30%	58,925 22.40%	57,388 25.81%	56,391 26.92%	50,702 28.27%	37,421 29.61%	30,033 29.26%	21,217 21.91%
Red Flag Computation 3	444,942 15.12%	24,156 17.70%	27,581 16.92%	35,485 15.22%	44,339 16.76%	39,879 14.90%	45,034 13.70%	50,988 14.64%	46,073 17.51%	36,048 16.21%	31,917 15.23%	22,790 12.71%	17,001 13.45%	11,366 11.07%	12,285 12.68%
Red Flag Computation 4	205,247 6.98%	6,770 4.96%	11,229 6.89%	11,938 5.12%	19,730 7.46%	19,244 7.19%	22,053 6.71%	28,208 8.10%	18,167 6.91%	12,862 5.78%	18,131 8.65%	14,674 8.18%	9,133 7.23%	7,616 7.42%	5,492 5.67%
Red Flag Computation 5	508,338 14.56%	27,658 16.78%	28,721 14.67%	33,467 12.36%	51,641 16.30%	53,781 16.63%	67,036 16.99%	59,686 14.61%	48,446 15.27%	40,318 14.94%	31,885 12.85%	26,410 12.39%	15,042 10.27%	13,344 11.57%	10,903 10.27%
Red Flag Computation 6	125,261 3.59%	5,028 3.05%	7,638 3.90%	8,017 2.96%	14,440 4.56%	18,786 5.81%	22,071 5.60%	15,948 3.90%	9,359 2.95%	11,512 4.26%	6,852 2.76%	3,270 1.53%	554 0.38%	878 0.76%	908 0.86%
Red Flag Computation 7	1,663,675 47.66%	79,596 48.28%	93,053 47.52%	123,078 45.46%	138,677 43.78%	158,069 48.87%	193,708 49.11%	180,574 44.21%	158,801 50.05%	143,907 53.31%	129,876 52.34%	109,172 51.23%	71,855 49.07%	49,794 43.18%	33,515 31.57%
Red Flag Computation 8	988,342 28.31%	46,990 28.50%	56,751 28.98%	71,901 26.56%	85,495 26.99%	101,864 31.49%	119,391 30.27%	110,830 27.14%	91,387 28.80%	83,596 30.97%	77,118 31.08%	65,505 30.74%	37,770 25.79%	23,238 20.15%	16,506 15.55%
Red Flag Computation 9	116,066 3.95%	5,381 3.94%	5,526 3.39%	5,658 2.43%	5,439 2.06%	7,421 2.77%	7,906 2.41%	9,840 2.83%	9,889 3.76%	11,732 5.28%	12,198 5.82%	11,150 6.22%	9,373 7.42%	7,462 7.27%	7,091 7.32%
Red Flag Computation 10	93,284 3.17%	2,980 2.18%	750 0.46%	2,879 1.24%	4,243 1.60%	4,763 1.78%	7,364 2.24%	7,529 2.16%	4,510 1.71%	3,377 1.52%	6,160 2.94%	5,001 2.79%	4,120 3.26%	1,160 1.13%	38,448 39.70%
Red Flag Computation 11	59,698 2.03%	2,980 2.18%	750 0.46%	2,879 1.24%	4,243 1.60%	4,763 1.78%	7,364 2.24%	7,529 2.16%	4,510 1.71%	3,377 1.52%	6,160 2.94%	5,001 2.79%	4,120 3.26%	1,160 1.13%	4,862 5.02%
Red Flag Computation 12	146,153 4.97%	2,174 1.59%	5,759 3.53%	10,771 4.62%	10,188 3.85%	11,643 4.35%	17,973 5.47%	25,151 7.22%	13,071 4.97%	10,648 4.79%	5,030 2.40%	2,715 1.51%	4,026 3.19%	9,330 9.09%	17,674 18.25%
Red Flag Computation 13	331,948 11.28%	9,747 7.14%	16,755 10.28%	48,217 20.69%	40,056 15.14%	43,356 16.20%	64,309 19.56%	80,454 23.10%	12,894 4.90%	2,479 1.11%	1,286 0.61%	2,397 1.34%	1,520 1.20%	1,929 1.88%	6,549 6.76%
Red Flag Computation 14	118,554 4.03%	11,248 8.24%	14,002 8.59%	15,691 6.73%	14,559 5.50%	12,177 4.55%	18,209 5.54%	15,615 4.48%	9,925 3.77%	7,128 3.21%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	1,100,538 37.41%	59,009 43.25%	62,184 38.15%	75,261 32.29%	104,852 39.64%	93,529 34.94%	113,664 34.58%	133,871 38.44%	111,403 42.35%	92,924 41.79%	75,336 35.96%	65,333 36.42%	45,687 36.16%	38,166 37.19%	29,319 30.27%
Red Flag Computation 16	119,974 4.08%	0 0.00%	0 0.00%	27,356 11.74%	31,016 11.73%	21,674 8.10%	9,360 2.85%	15,138 4.35%	8,706 3.31%	4,162 1.87%	1,268 0.61%	700 0.39%	242 0.19%	302 0.29%	50 0.05%
Red Flag Computation 17	483,964 13.86%	28,757 17.44%	31,183 15.93%	38,796 14.33%	38,920 12.29%	34,217 10.58%	49,897 12.65%	44,779 10.96%	42,313 13.34%	39,551 14.65%	35,697 14.38%	34,122 16.01%	27,632 18.87%	22,723 19.70%	15,377 14.48%
Red Flag Computation 18	173,441 5.90%	10,176 7.46%	10,552 6.47%	13,356 5.73%	13,857 5.24%	14,748 5.51%	17,150 5.22%	16,339 4.69%	17,500 6.65%	16,494 7.42%	16,196 7.73%	12,911 7.20%	7,287 5.77%	4,141 4.03%	2,734 2.82%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 19	76,734 2.61%	4,729 3.47%	4,348 2.67%	5,277 2.26%	4,711 1.78%	6,414 2.40%	8,711 2.65%	6,859 1.97%	8,021 3.05%	8,230 3.70%	7,603 3.63%	5,697 3.18%	3,583 2.84%	1,718 1.67%	833 0.86%
Red Flag Computation 20	230,811 7.85%	11,875 8.70%	13,946 8.56%	16,296 6.99%	19,547 7.39%	19,533 7.30%	22,905 6.97%	25,797 7.41%	25,468 9.68%	21,746 9.78%	17,916 8.55%	14,836 8.27%	9,930 7.86%	5,617 5.47%	5,399 5.57%
Red Flag Computation 21	153,009 5.20%	10,004 7.33%	11,453 7.03%	11,738 5.04%	12,284 4.64%	16,357 6.11%	15,574 4.74%	14,983 4.30%	15,445 5.87%	11,826 5.32%	12,378 5.91%	8,049 4.49%	5,854 4.63%	3,670 3.58%	3,394 3.50%
Red Flag Computation 22	3,066 0.10%	109 0.08%	100 0.06%	170 0.07%	30 0.01%	361 0.13%	767 0.23%	188 0.05%	340 0.13%	379 0.17%	186 0.09%	361 0.20%	0 0.00%	60 0.06%	15 0.02%
Red Flag Computation 23	4,163 0.14%	188 0.14%	240 0.15%	220 0.09%	12 0.00%	320 0.12%	736 0.22%	445 0.13%	370 0.14%	930 0.42%	290 0.14%	412 0.23%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 24	296,096 10.06%	10,063 7.37%	14,270 8.75%	23,123 9.92%	25,341 9.58%	27,385 10.23%	31,360 9.54%	36,355 10.44%	28,579 10.86%	18,865 8.48%	25,868 12.35%	21,741 12.12%	13,121 10.38%	9,983 9.73%	10,042 10.37%
Red Flag Computation 25	129,974 4.42%	2,174 1.59%	5,759 3.53%	10,771 4.62%	10,188 3.85%	11,643 4.35%	17,973 5.47%	25,151 7.22%	10,156 3.86%	6,195 2.79%	3,869 1.85%	1,914 1.07%	2,857 2.26%	7,847 7.65%	13,477 13.92%
Red Flag Computation 26	331,654 11.27%	9,747 7.14%	16,755 10.28%	48,217 20.69%	40,056 15.14%	43,356 16.20%	64,309 19.56%	80,454 23.10%	12,422 4.72%	2,357 1.06%	1,466 0.70%	2,388 1.33%	1,438 1.14%	1,922 1.87%	6,767 6.99%
Red Flag Computation 27	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 28	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 29	92,491 3.14%	8,518 6.24%	10,636 6.53%	12,035 5.16%	11,415 4.32%	9,369 3.50%	14,457 4.40%	11,850 3.40%	8,473 3.22%	5,738 2.58%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 30	307,051 10.44%	21,273 15.59%	23,435 14.38%	26,702 11.46%	34,448 13.02%	31,523 11.78%	42,788 13.02%	40,040 11.50%	33,437 12.71%	21,180 9.53%	10,981 5.24%	7,193 4.01%	4,761 3.77%	3,770 3.67%	5,520 5.70%
Red Flag Computation 31	281,270 9.56%	10,032 7.35%	14,971 9.18%	19,109 8.20%	31,961 12.08%	22,655 8.46%	34,988 10.64%	38,856 11.16%	28,384 10.79%	23,639 10.63%	12,061 5.76%	17,442 9.72%	10,854 8.59%	7,695 7.50%	8,623 8.90%
Red Flag Computation 32	9,488 0.32%	0 0.00%	0 0.00%	2,207 0.95%	1,683 0.64%	718 0.27%	540 0.16%	900 0.26%	2,440 0.93%	1,000 0.45%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 33	30,542 1.04%	1,887 1.38%	1,509 0.93%	496 0.21%	3,568 1.35%	1,601 0.60%	2,732 0.83%	4,086 1.17%	2,485 0.94%	1,976 0.89%	2,305 1.10%	2,120 1.18%	1,894 1.50%	1,794 1.75%	2,089 2.16%
Red Flag Computation 34	79,119 2.69%	0 0.00%	120 0.07%	232 0.10%	1,390 0.53%	1,055 0.39%	2,160 0.66%	4,044 1.16%	6,187 2.35%	5,280 2.37%	14,108 6.73%	13,142 7.33%	11,396 9.02%	9,559 9.31%	10,446 10.79%
Red Flag Computation 35	215,063 7.31%	14,774 10.83%	18,389 11.28%	15,650 6.71%	22,680 8.58%	16,996 6.35%	13,354 4.06%	17,141 4.92%	20,583 7.82%	14,632 6.58%	16,903 8.07%	12,740 7.10%	9,111 7.21%	11,883 11.58%	10,227 10.56%
Red Flag Computation 36	234,367 7.97%	17,947 13.15%	19,266 11.82%	28,315 12.15%	22,592 8.54%	20,299 7.58%	21,512 6.54%	19,000 5.46%	13,374 5.08%	17,524 7.88%	18,853 9.00%	13,989 7.80%	8,008 6.34%	7,971 7.77%	5,717 5.90%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	3,490,999	164,866	195,810	270,716	316,769	323,454	394,476	408,437	317,303	269,950	248,159	213,120	146,444	115,323	106,172
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	2,941,844	136,450	163,003	233,074	264,487	267,674	328,719	348,291	263,075	222,360	209,500	179,368	126,362	102,633	96,848
Red Flag Computation 37	17,184 0.58%	0 0.00%	0 0.00%	815 0.35%	4,015 1.52%	2,260 0.84%	1,962 0.60%	3,415 0.98%	3,170 1.20%	1,487 0.67%	50 0.02%	0 0.00%	10 0.01%	0 0.00%	0 0.00%
Red Flag Computation 38	1,387,373 39.74%	70,611 42.83%	81,266 41.50%	108,267 39.99%	134,276 42.39%	141,780 43.83%	164,892 41.80%	164,922 40.38%	128,131 40.38%	110,391 40.89%	98,731 39.79%	80,896 37.96%	48,441 33.08%	31,875 27.64%	22,894 21.56%
Red Flag Computation 39	124,781 3.57%	5,028 3.05%	7,638 3.90%	8,017 2.96%	14,440 4.56%	18,786 5.81%	22,071 5.60%	15,948 3.90%	9,089 2.86%	11,512 4.26%	6,852 2.76%	3,270 1.53%	554 0.38%	878 0.76%	698 0.66%
Red Flag Computation 40	77,403 2.63%	6,022 4.41%	3,660 2.25%	3,976 1.71%	5,596 2.12%	7,990 2.98%	8,784 2.67%	5,406 1.55%	4,375 1.66%	6,949 3.13%	8,611 4.11%	6,039 3.37%	6,863 5.43%	1,740 1.70%	1,392 1.44%
Red Flag Computation 41	503,394 14.42%	32,743 19.86%	31,487 16.08%	44,116 16.30%	55,897 17.65%	52,742 16.31%	57,350 14.54%	62,148 15.22%	43,121 13.59%	34,488 12.78%	36,345 14.65%	29,093 13.65%	13,179 9.00%	6,903 5.99%	3,782 3.56%
Red Flag Computation 42	214,895 6.16%	15,600 9.46%	16,947 8.65%	14,354 5.30%	19,908 6.28%	19,588 6.06%	17,339 4.40%	17,887 4.38%	21,316 6.72%	26,267 9.73%	16,656 6.71%	8,574 4.02%	8,136 5.56%	7,867 6.82%	4,456 4.20%
Red Flag Computation 43	6,901 0.20%	0 0.00%	0 0.00%	2,917 1.08%	2,876 0.91%	495 0.15%	60 0.02%	303 0.07%	0 0.00%	250 0.09%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Flagged for Any of the Red Flag Computation 1-43	3,490,999 100.00%	164,866 100.00%	195,810 100.00%	270,716 100.00%	316,769 100.00%	323,454 100.00%	394,476 100.00%	408,437 100.00%	317,303 100.00%	269,950 100.00%	248,159 100.00%	213,120 100.00%	146,444 100.00%	115,323 100.00%	106,172 100.00%

Notes

Defendant

CVS
Giant Eagle/HBC
Rite Aid
Walgreens
Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
January 1, 2006 to December 3, 2019
January 1, 2006 to November 19, 2019
January 3, 2006 to January 3, 2020
January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

Lake County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 1	1,478,026 4.18%	42,085 1.99%	71,110 3.92%	42,835 1.87%	51,135 1.78%	68,199 2.17%	200,020 5.28%	261,960 6.64%	177,755 5.63%	156,233 5.75%	105,878 3.85%	76,963 3.23%	82,230 4.50%	82,865 6.03%	58,760 4.94%
Red Flag Computation 2	8,089,368 22.87%	815,004 38.53%	491,247 27.05%	567,183 24.71%	537,242 18.73%	473,022 15.05%	781,278 20.62%	871,968 22.11%	677,122 21.44%	618,541 22.77%	580,948 21.12%	583,181 24.49%	494,904 27.07%	395,618 28.79%	202,112 16.99%
Red Flag Computation 3	5,469,671 15.46%	342,543 16.19%	355,087 19.55%	351,739 15.33%	517,247 18.03%	453,909 14.44%	548,746 14.48%	622,032 15.77%	557,306 17.65%	432,967 15.94%	428,123 15.56%	291,902 12.26%	236,889 12.96%	163,938 11.93%	167,245 14.06%
Red Flag Computation 4	3,094,032 8.75%	105,480 4.99%	169,875 9.35%	150,810 6.57%	305,724 10.66%	349,291 11.11%	361,901 9.55%	390,704 9.91%	347,685 11.01%	180,714 6.65%	210,330 7.65%	168,168 7.06%	149,834 8.20%	124,289 9.05%	79,230 6.66%
Red Flag Computation 5	4,392,374 12.42%	389,655 18.42%	209,979 11.56%	227,615 9.92%	416,303 14.51%	430,978 13.71%	500,684 13.21%	470,120 11.92%	353,146 11.18%	393,696 14.49%	366,068 13.31%	226,952 9.53%	147,838 8.09%	154,717 11.26%	104,625 8.79%
Red Flag Computation 6	740,191 2.09%	57,555 2.72%	36,989 2.04%	30,625 1.33%	47,265 1.65%	111,325 3.54%	121,689 3.21%	74,455 1.89%	58,590 1.86%	107,955 3.97%	62,073 2.26%	19,830 0.83%	2,145 0.12%	2,880 0.21%	6,815 0.57%
Red Flag Computation 7	15,232,860 43.07%	884,449 41.82%	795,151 43.78%	950,266 41.41%	1,178,800 41.10%	1,392,699 44.31%	1,628,207 42.97%	1,630,295 41.34%	1,388,298 43.97%	1,337,427 49.23%	1,294,992 47.07%	1,098,416 46.13%	792,310 43.34%	555,543 40.43%	306,008 25.72%
Red Flag Computation 8	6,885,660 19.47%	385,623 18.23%	374,802 20.64%	460,793 20.08%	526,488 18.36%	742,866 23.64%	782,277 20.64%	707,578 17.94%	661,576 20.95%	648,414 23.87%	593,831 21.58%	494,609 20.77%	256,242 14.02%	144,755 10.53%	105,808 8.89%
Red Flag Computation 9	1,785,386 5.05%	141,183 6.67%	84,223 4.64%	65,203 2.84%	59,623 2.08%	109,668 3.49%	83,585 2.21%	159,308 4.04%	132,520 4.20%	151,669 5.58%	199,356 7.25%	198,020 8.32%	164,450 8.99%	131,971 9.60%	104,610 8.79%
Red Flag Computation 10	4,551,754 12.87%	495,852 23.44%	91,200 5.02%	262,350 11.43%	381,305 13.29%	482,459 15.35%	565,182 14.91%	348,514 8.84%	233,090 7.38%	187,402 6.90%	321,840 11.70%	251,039 10.54%	192,990 10.56%	45,900 3.34%	692,631 58.21%
Red Flag Computation 11	4,030,431 11.40%	495,852 23.44%	91,200 5.02%	262,350 11.43%	381,305 13.29%	482,459 15.35%	565,182 14.91%	348,514 8.84%	233,090 7.38%	187,402 6.90%	321,840 11.70%	251,039 10.54%	192,990 10.56%	45,900 3.34%	171,308 14.40%
Red Flag Computation 12	1,133,353 3.20%	18,095 0.86%	38,150 2.10%	73,398 3.20%	74,665 2.60%	91,303 2.90%	130,120 3.43%	177,893 4.51%	91,985 2.91%	75,773 2.79%	36,855 1.34%	18,850 0.79%	36,318 1.99%	86,105 6.27%	183,845 15.45%
Red Flag Computation 13	2,387,732 6.75%	75,863 3.59%	119,763 6.59%	327,287 14.26%	284,765 9.93%	309,353 9.84%	458,930 12.11%	572,290 14.51%	95,443 3.02%	16,898 0.62%	10,138 0.37%	13,668 0.57%	15,465 0.85%	18,245 1.33%	69,628 5.85%
Red Flag Computation 14	797,786 2.26%	74,740 3.53%	98,525 5.43%	97,665 4.26%	96,695 3.37%	85,403 2.72%	129,238 3.41%	103,250 2.62%	65,178 2.06%	47,094 1.73%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	18,292,246 51.72%	1,346,087 63.64%	910,160 50.12%	950,283 41.41%	1,537,962 53.62%	1,597,016 50.81%	1,891,945 49.93%	1,975,462 50.09%	1,741,706 55.16%	1,509,586 55.57%	1,374,328 49.95%	1,269,385 53.31%	987,091 53.99%	741,922 53.99%	459,315 38.60%
Red Flag Computation 16	997,259 2.82%	0 0.00%	0 0.00%	268,941 11.72%	261,283 9.11%	161,410 5.14%	68,661 1.81%	110,641 2.81%	71,945 2.28%	32,610 1.20%	11,459 0.42%	5,853 0.25%	1,806 0.10%	2,350 0.17%	300 0.03%
Red Flag Computation 17	5,336,163 15.09%	581,176 27.48%	304,501 16.77%	332,968 14.51%	288,888 10.07%	256,765 8.17%	468,766 12.37%	603,978 15.31%	472,415 14.96%	409,998 15.09%	387,135 14.07%	394,098 16.55%	380,542 20.81%	307,948 22.41%	146,988 12.35%
Red Flag Computation 18	1,702,318 4.81%	113,780 5.38%	104,203 5.74%	100,671 4.39%	157,031 5.47%	122,513 3.90%	156,161 4.12%	179,854 4.56%	152,629 4.83%	147,572 5.43%	170,326 6.19%	154,324 6.48%	68,418 3.74%	47,583 3.46%	27,255 2.29%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

Lake County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 19	799,530 2.26%	56,995 2.69%	41,515 2.29%	39,344 1.71%	60,021 2.09%	65,468 2.08%	96,733 2.55%	78,312 1.99%	73,074 2.31%	75,909 2.79%	76,110 2.77%	75,970 3.19%	32,323 1.77%	18,562 1.35%	9,198 0.77%
Red Flag Computation 20	2,700,568 7.64%	144,756 6.84%	179,490 9.88%	158,884 6.92%	235,865 8.22%	245,037 7.80%	260,278 6.87%	271,257 6.88%	298,614 9.46%	206,587 7.60%	219,154 7.97%	177,616 7.46%	143,550 7.85%	67,898 4.94%	91,585 7.70%
Red Flag Computation 21	1,721,907 4.87%	129,617 6.13%	136,689 7.53%	95,604 4.17%	135,469 4.72%	210,897 6.71%	186,070 4.91%	136,075 3.45%	177,247 5.61%	109,252 4.02%	125,885 4.58%	121,874 5.12%	62,990 3.45%	47,352 3.45%	46,888 3.94%
Red Flag Computation 22	38,870 0.11%	1,043 0.05%	500 0.03%	1,175 0.05%	225 0.01%	7,195 0.23%	6,645 0.18%	3,730 0.09%	5,250 0.17%	8,880 0.33%	1,568 0.06%	2,098 0.09%	0 0.00%	450 0.03%	113 0.01%
Red Flag Computation 23	60,408 0.17%	2,535 0.12%	1,800 0.10%	1,575 0.07%	90 0.00%	6,925 0.22%	7,360 0.19%	6,488 0.16%	8,550 0.27%	18,225 0.67%	2,850 0.10%	2,210 0.09%	0 0.00%	1,800 0.13%	0 0.00%
Red Flag Computation 24	4,146,323 11.72%	139,898 6.61%	202,370 11.14%	264,495 11.53%	367,327 12.81%	471,027 14.99%	449,526 11.86%	480,464 12.18%	473,112 14.98%	225,171 8.29%	307,842 11.19%	250,068 10.50%	202,021 11.05%	175,375 12.76%	137,630 11.57%
Red Flag Computation 25	998,115 2.82%	18,095 0.86%	38,150 2.10%	73,398 3.20%	74,665 2.60%	91,303 2.90%	130,120 3.43%	177,893 4.51%	71,843 2.28%	44,030 1.62%	28,493 1.04%	13,045 0.55%	23,798 1.30%	73,605 5.36%	139,680 11.74%
Red Flag Computation 26	2,385,725 6.75%	75,863 3.59%	119,763 6.59%	327,287 14.26%	284,765 9.93%	309,353 9.84%	458,930 12.11%	572,290 14.51%	92,053 2.92%	15,983 0.59%	12,388 0.45%	13,570 0.57%	14,850 0.81%	18,210 1.33%	70,423 5.92%
Red Flag Computation 27	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 28	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 29	620,021 1.75%	55,570 2.63%	75,770 4.17%	75,115 3.27%	75,060 2.62%	64,438 2.05%	100,233 2.65%	79,510 2.02%	56,233 1.78%	38,094 1.40%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 30	3,713,174 10.50%	297,728 14.08%	264,546 14.57%	256,860 11.19%	416,404 14.52%	468,265 14.90%	585,956 15.46%	445,093 11.29%	331,945 10.51%	213,928 7.87%	146,606 5.33%	90,184 3.79%	89,731 4.91%	33,993 2.47%	71,938 6.05%
Red Flag Computation 31	3,653,447 10.33%	150,880 7.13%	187,613 10.33%	169,805 7.40%	368,693 12.85%	405,001 12.89%	531,651 14.03%	427,113 10.83%	307,365 9.73%	222,758 8.20%	156,330 5.68%	293,355 12.32%	206,213 11.28%	125,050 9.10%	101,623 8.54%
Red Flag Computation 32	150,875 0.43%	0 0.00%	0 0.00%	61,050 2.66%	24,790 0.86%	8,505 0.27%	5,270 0.14%	8,380 0.21%	32,760 1.04%	9,820 0.36%	0 0.00%	0 0.00%	0 0.00%	300 0.02%	0 0.00%
Red Flag Computation 33	762,156 2.15%	62,385 2.95%	38,865 2.14%	19,640 0.86%	106,292 3.71%	49,130 1.56%	55,433 1.46%	72,817 1.85%	52,047 1.65%	55,602 2.05%	44,437 1.62%	56,910 2.39%	51,251 2.80%	44,040 3.21%	53,310 4.48%
Red Flag Computation 34	1,250,357 3.54%	2,808 0.13%	900 0.05%	1,740 0.08%	25,350 0.88%	24,328 0.77%	86,031 2.27%	103,403 2.62%	126,267 4.00%	101,163 3.72%	173,978 6.32%	157,139 6.60%	155,559 8.51%	131,208 9.55%	160,485 13.49%
Red Flag Computation 35	3,328,940 9.41%	308,183 14.57%	269,715 14.85%	221,526 9.65%	316,400 11.03%	231,363 7.36%	185,461 4.89%	295,237 7.49%	289,828 9.18%	183,299 6.75%	273,954 9.96%	248,076 10.42%	171,570 9.38%	190,990 13.90%	143,340 12.05%
Red Flag Computation 36	2,564,709 7.25%	408,550 19.32%	206,666 11.38%	288,476 12.57%	206,473 7.20%	176,589 5.62%	225,804 5.96%	246,676 6.25%	132,898 4.21%	166,647 6.13%	155,294 5.64%	141,740 5.95%	84,005 4.59%	71,368 5.19%	53,525 4.50%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Lake County, OH

Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Total MME of Combination Red Flagged Opioid Prescriptions	35,369,391	2,115,132	1,816,061	2,294,958	2,868,229	3,142,985	3,789,461	3,943,981	3,157,521	2,716,552	2,751,160	2,381,121	1,828,247	1,374,092	1,189,891
Red Flag Computation 37	132,276 0.37%	0 0.00%	0 0.00%	5,575 0.24%	32,100 1.12%	21,725 0.69%	17,591 0.46%	25,388 0.64%	22,163 0.70%	7,435 0.27%	250 0.01%	0 0.00%	50 0.00%	0 0.00%	0 0.00%
Red Flag Computation 38	10,264,788 29.02%	621,160 29.37%	544,274 29.97%	801,848 34.94%	907,918 31.65%	1,080,658 34.38%	1,117,527 29.49%	1,271,998 32.25%	972,483 30.80%	828,606 30.50%	772,878 28.09%	616,840 25.91%	338,365 18.51%	227,400 16.55%	162,836 13.68%
Red Flag Computation 39	736,704 2.08%	57,555 2.72%	36,989 2.04%	30,625 1.33%	47,265 1.65%	111,325 3.54%	121,689 3.21%	74,455 1.89%	56,003 1.77%	107,955 3.97%	62,073 2.26%	19,830 0.83%	2,145 0.12%	2,880 0.21%	5,915 0.50%
Red Flag Computation 40	1,948,500 5.51%	207,842 9.83%	78,564 4.33%	96,440 4.20%	138,773 4.84%	175,867 5.60%	184,099 4.86%	104,089 2.64%	73,156 2.32%	239,784 8.83%	265,613 9.65%	140,240 5.89%	182,625 9.99%	39,725 2.89%	21,684 1.82%
Red Flag Computation 41	3,847,249 10.88%	257,439 12.17%	192,856 10.62%	304,662 13.28%	382,284 13.33%	385,310 12.26%	381,204 10.06%	517,066 13.11%	344,411 10.91%	310,080 11.41%	335,710 12.20%	243,193 10.21%	113,768 6.22%	55,703 4.05%	23,565 1.98%
Red Flag Computation 42	2,410,932 6.82%	196,625 9.30%	133,843 7.37%	149,815 6.53%	200,295 6.98%	210,325 6.69%	210,564 5.56%	166,019 4.21%	196,840 6.23%	324,384 11.94%	255,591 9.29%	99,678 4.19%	112,530 6.16%	110,644 8.05%	43,780 3.68%
Red Flag Computation 43	101,813 0.29%	0 0.00%	0 0.00%	55,710 2.43%	39,680 1.38%	3,213 0.10%	450 0.01%	585 0.01%	300 0.01%	1,875 0.07%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Flagged for Any of the Red Flag Computation 1-43	35,369,391 100.00%	2,115,132 100.00%	1,816,061 100.00%	2,294,958 100.00%	2,868,229 100.00%	3,142,985 100.00%	3,789,461 100.00%	3,943,981 100.00%	3,157,521 100.00%	2,716,552 100.00%	2,751,160 100.00%	2,381,121 100.00%	1,828,247 100.00%	1,374,092 100.00%	1,189,891 100.00%

NotesDefendant

CVS
Giant Eagle/HBC
Rite Aid
Walgreens
Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
January 1, 2006 to December 3, 2019
January 1, 2006 to November 19, 2019
January 3, 2006 to January 3, 2020
January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 1	1,098 1.37%	103 1.62%	99 1.38%	97 1.20%	119 1.56%	107 1.32%	137 1.62%	110 1.30%	89 1.47%	77 1.51%	47 1.16%	33 0.96%	26 0.98%	16 0.65%	38 1.70%
Red Flag Computation 2	16,103 20.08%	1,349 21.28%	1,378 19.24%	1,378 17.01%	1,318 17.31%	1,401 17.30%	1,577 18.63%	1,386 16.40%	1,320 21.77%	1,233 24.18%	986 24.39%	864 25.22%	687 25.93%	634 25.95%	592 26.45%
Red Flag Computation 3	14,143 17.63%	1,004 15.84%	1,202 16.78%	1,526 18.83%	1,315 17.27%	1,383 17.08%	1,607 18.98%	1,538 18.19%	1,102 18.18%	881 17.28%	709 17.54%	647 18.88%	484 18.27%	419 17.15%	326 14.57%
Red Flag Computation 4	3,511 4.38%	231 3.64%	376 5.25%	345 4.26%	310 4.07%	297 3.67%	335 3.96%	318 3.76%	284 4.68%	333 6.53%	227 5.62%	165 4.82%	90 3.40%	105 4.30%	95 4.24%
Red Flag Computation 5	14,284 13.25%	989 11.89%	1,251 13.24%	1,248 11.81%	1,317 13.08%	1,364 12.81%	1,728 15.34%	1,645 14.59%	1,346 16.05%	966 13.58%	703 12.31%	660 13.80%	452 12.03%	355 10.47%	260 8.56%
Red Flag Computation 6	4,554 4.23%	267 3.21%	506 5.35%	505 4.78%	495 4.91%	497 4.67%	599 5.32%	467 4.14%	473 5.64%	234 3.29%	197 3.45%	173 3.62%	89 2.37%	39 1.15%	13 0.43%
Red Flag Computation 7	61,802 57.34%	4,620 55.53%	5,195 54.96%	5,535 52.38%	5,590 55.50%	5,812 54.57%	6,216 55.17%	6,233 55.30%	5,023 59.88%	4,422 62.16%	3,713 65.00%	3,023 63.20%	2,444 65.03%	2,173 64.08%	1,803 59.33%
Red Flag Computation 8	44,806 41.57%	3,070 36.90%	3,688 39.02%	3,998 37.83%	3,964 39.36%	4,124 38.72%	4,408 39.12%	4,464 39.61%	3,738 44.56%	3,309 46.51%	2,863 50.12%	2,282 47.71%	1,880 50.03%	1,640 48.36%	1,378 45.34%
Red Flag Computation 9	2,953 3.68%	109 1.72%	218 3.04%	220 2.72%	230 3.02%	240 2.96%	359 4.24%	254 3.00%	241 3.98%	238 4.67%	268 6.63%	206 6.01%	119 4.49%	164 6.71%	87 3.89%
Red Flag Computation 10	3,148 3.93%	429 6.77%	339 4.73%	183 2.26%	171 2.25%	202 2.49%	222 2.62%	172 2.03%	160 2.64%	158 3.10%	155 3.83%	84 2.45%	55 2.08%	37 1.51%	781 34.90%
Red Flag Computation 11	2,499 3.12%	429 6.77%	339 4.73%	183 2.26%	171 2.25%	202 2.49%	222 2.62%	172 2.03%	160 2.64%	158 3.10%	155 3.83%	84 2.45%	55 2.08%	37 1.51%	132 5.90%
Red Flag Computation 12	5,139 6.41%	404 6.37%	523 7.30%	546 6.74%	571 7.50%	547 6.75%	521 6.15%	695 8.22%	424 6.99%	354 6.94%	244 6.04%	77 2.25%	78 2.94%	73 2.99%	82 3.66%
Red Flag Computation 13	14,223 17.73%	1,391 21.94%	1,673 23.35%	1,929 23.81%	1,923 25.25%	2,071 25.57%	2,193 25.90%	2,329 27.55%	354 5.84%	128 2.51%	86 2.13%	33 0.96%	30 1.13%	54 2.21%	29 1.30%
Red Flag Computation 14	2,204 2.75%	132 2.08%	261 3.64%	346 4.27%	292 3.83%	328 4.05%	262 3.09%	232 2.74%	206 3.40%	145 2.84%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	25,166 31.38%	1,754 27.67%	2,409 33.63%	2,811 34.69%	2,367 31.08%	2,601 32.12%	2,757 32.56%	2,617 30.96%	2,047 33.77%	1,482 29.06%	1,058 26.18%	962 28.08%	868 32.77%	789 32.30%	644 28.78%
Red Flag Computation 16	2,586 3.22%	0 0.00%	52 0.73%	818 10.10%	326 4.28%	293 3.62%	218 2.57%	423 5.00%	211 3.48%	155 3.04%	45 1.11%	38 1.11%	3 0.11%	4 0.16%	0 0.00%
Red Flag Computation 17	9,238 8.57%	785 9.44%	851 9.00%	782 7.40%	813 8.07%	806 7.57%	1,037 9.20%	819 7.27%	658 7.84%	598 8.41%	493 8.63%	438 9.16%	394 10.48%	390 11.50%	374 12.31%
Red Flag Computation 18	5,763 7.19%	400 6.31%	444 6.20%	557 6.87%	500 6.57%	510 6.30%	609 7.19%	499 5.90%	552 9.11%	422 8.28%	366 9.05%	309 9.02%	202 7.63%	204 8.35%	189 8.45%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 19	2,416 3.01%	158 2.49%	164 2.29%	229 2.83%	191 2.51%	209 2.58%	314 3.71%	210 2.48%	241 3.98%	189 3.71%	166 4.11%	107 3.12%	88 3.32%	73 2.99%	77 3.44%
Red Flag Computation 20	6,663 8.31%	432 6.81%	556 7.76%	664 8.19%	638 8.38%	714 8.82%	798 9.42%	717 8.48%	509 8.40%	400 7.84%	340 8.41%	252 7.36%	227 8.57%	228 9.33%	188 8.40%
Red Flag Computation 21	4,581 5.71%	274 4.32%	378 5.28%	492 6.07%	413 5.42%	441 5.45%	547 6.46%	538 6.36%	399 6.58%	275 5.39%	240 5.94%	196 5.72%	121 4.57%	151 6.18%	116 5.18%
Red Flag Computation 22	43 0.05%	1 0.02%	2 0.03%	10 0.12%	7 0.09%	0 0.00%	9 0.11%	2 0.02%	9 0.15%	3 0.06%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 23	49 0.06%	0 0.00%	3 0.04%	9 0.11%	6 0.08%	1 0.01%	15 0.18%	1 0.01%	10 0.16%	4 0.08%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 24	4,709 5.87%	343 5.41%	468 6.53%	464 5.73%	450 5.91%	448 5.53%	461 5.44%	364 4.31%	360 5.94%	394 7.73%	310 7.67%	232 6.77%	125 4.72%	149 6.10%	141 6.30%
Red Flag Computation 25	4,752 5.93%	404 6.37%	523 7.30%	546 6.74%	571 7.50%	547 6.75%	521 6.15%	695 8.22%	305 5.03%	234 4.59%	170 4.21%	56 1.63%	61 2.30%	58 2.37%	61 2.73%
Red Flag Computation 26	14,185 17.69%	1,391 21.94%	1,673 23.35%	1,929 23.81%	1,923 25.25%	2,071 25.57%	2,193 25.90%	2,329 27.55%	341 5.63%	117 2.29%	79 1.95%	31 0.90%	29 1.09%	50 2.05%	29 1.30%
Red Flag Computation 27	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 28	4 0.00%	0 0.00%	2 0.03%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	2 0.02%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 29	1,665 2.08%	113 1.78%	189 2.64%	254 3.13%	211 2.77%	245 3.03%	199 2.35%	179 2.12%	164 2.71%	111 2.18%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 30	5,354 6.68%	405 6.39%	560 7.82%	700 8.64%	568 7.46%	577 7.12%	561 6.63%	552 6.53%	518 8.55%	375 7.35%	156 3.86%	111 3.24%	103 3.89%	99 4.05%	69 3.08%
Red Flag Computation 31	4,648 5.80%	152 2.40%	351 4.90%	621 7.66%	413 5.42%	519 6.41%	496 5.86%	509 6.02%	448 7.39%	312 6.12%	184 4.55%	196 5.72%	174 6.57%	111 4.54%	162 7.24%
Red Flag Computation 32	143 0.18%	0 0.00%	6 0.08%	60 0.74%	27 0.35%	15 0.19%	5 0.06%	21 0.25%	3 0.05%	5 0.10%	0 0.00%	0 0.00%	0 0.00%	1 0.04%	0 0.00%
Red Flag Computation 33	1,853 2.31%	191 3.01%	164 2.29%	255 3.15%	152 2.00%	191 2.36%	198 2.34%	156 1.85%	103 1.70%	106 2.08%	112 2.77%	95 2.77%	58 2.19%	61 2.50%	11 0.49%
Red Flag Computation 34	891 1.11%	6 0.09%	23 0.32%	25 0.31%	28 0.37%	42 0.52%	34 0.40%	39 0.46%	68 1.12%	72 1.41%	168 4.16%	178 5.20%	115 4.34%	48 1.96%	45 2.01%
Red Flag Computation 35	7,882 9.83%	1,165 18.38%	1,016 14.18%	939 11.59%	681 8.94%	790 9.75%	647 7.64%	553 6.54%	457 7.54%	344 6.75%	265 6.56%	252 7.36%	235 8.87%	248 10.15%	290 12.96%
Red Flag Computation 36	4,856 6.05%	562 8.87%	500 6.98%	478 5.90%	359 4.71%	446 5.51%	452 5.34%	313 3.70%	391 6.45%	422 8.28%	338 8.36%	252 7.36%	137 5.17%	94 3.85%	112 5.00%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH

Red Flag Computation 1-43, in # of Prescriptions

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total # of Combination Red Flagged Prescriptions	107,785	8,320	9,452	10,567	10,072	10,651	11,267	11,271	8,388	7,114	5,712	4,783	3,758	3,391	3,039
Total # of Combination Red Flagged Opioid Prescriptions	80,199	6,339	7,164	8,103	7,615	8,099	8,467	8,453	6,062	5,099	4,042	3,426	2,649	2,443	2,238
Red Flag Computation 37	172 0.21%	7 0.11%	7 0.10%	8 0.10%	8 0.11%	6 0.07%	6 0.07%	8 0.09%	24 0.40%	18 0.35%	29 0.72%	18 0.53%	16 0.60%	14 0.57%	3 0.13%
Red Flag Computation 38	55,907 51.87%	3,909 46.98%	4,644 49.13%	5,103 48.29%	4,936 49.01%	5,158 48.43%	5,666 50.29%	5,768 51.18%	4,704 56.08%	4,057 57.03%	3,409 59.68%	2,822 59.00%	2,235 59.47%	1,895 55.88%	1,601 52.68%
Red Flag Computation 39	4,473 4.15%	267 3.21%	506 5.35%	505 4.78%	495 4.91%	497 4.67%	599 5.32%	467 4.14%	433 5.16%	223 3.13%	192 3.36%	160 3.35%	81 2.16%	35 1.03%	13 0.43%
Red Flag Computation 40	2,055 2.56%	101 1.59%	137 1.91%	126 1.55%	194 2.55%	192 2.37%	190 2.24%	169 2.00%	141 2.33%	136 2.67%	186 4.60%	146 4.26%	110 4.15%	126 5.16%	101 4.51%
Red Flag Computation 41	21,808 20.23%	1,649 19.82%	1,955 20.68%	2,317 21.93%	1,995 19.81%	2,046 19.21%	2,308 20.48%	2,382 21.13%	1,645 19.61%	1,413 19.86%	1,081 18.93%	1,004 20.99%	774 20.60%	641 18.90%	598 19.68%
Red Flag Computation 42	7,838 7.27%	910 10.94%	807 8.54%	844 7.99%	741 7.36%	878 8.24%	956 8.48%	763 6.77%	548 6.53%	429 6.03%	260 4.55%	174 3.64%	164 4.36%	168 4.95%	196 6.45%
Red Flag Computation 43	79 0.07%	0 0.00%	0 0.00%	64 0.61%	3 0.03%	7 0.07%	3 0.03%	2 0.02%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Flagged for Any of the Red Flag Computation 1-43	107,785 100.00%	8,320 100.00%	9,452 100.00%	10,567 100.00%	10,072 100.00%	10,651 100.00%	11,267 100.00%	11,271 100.00%	8,388 100.00%	7,114 100.00%	5,712 100.00%	4,783 100.00%	3,758 100.00%	3,391 100.00%	3,039 100.00%

NotesDefendant

CVS
Giant Eagle/HBC
Rite Aid
Walgreens
Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
January 1, 2006 to December 3, 2019
January 1, 2006 to November 19, 2019
January 3, 2006 to January 3, 2020
January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
 Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 1	66,152 1.15%	7,250 1.72%	6,150 1.24%	7,132 1.25%	7,062 1.29%	5,710 1.00%	8,166 1.31%	7,077 1.13%	3,629 0.79%	4,163 1.08%	2,452 0.84%	1,619 0.64%	1,072 0.54%	1,190 0.69%	3,480 2.25%
Red Flag Computation 2	915,331 15.88%	76,842 18.25%	76,637 15.50%	79,534 13.99%	76,712 14.05%	79,978 14.02%	94,396 15.13%	83,243 13.26%	73,829 16.09%	61,492 15.98%	45,315 15.53%	48,784 19.42%	44,934 22.72%	39,274 22.84%	34,361 22.26%
Red Flag Computation 3	957,927 16.62%	66,986 15.91%	81,780 16.54%	103,074 18.13%	95,750 17.53%	93,562 16.40%	114,685 18.38%	107,758 17.17%	75,490 16.46%	58,502 15.21%	42,016 14.40%	44,232 17.61%	30,237 15.29%	26,062 15.16%	17,793 11.53%
Red Flag Computation 4	274,220 4.76%	16,043 3.81%	25,413 5.14%	26,049 4.58%	23,991 4.39%	20,805 3.65%	26,152 4.19%	24,330 3.88%	23,197 5.06%	31,119 8.09%	18,258 6.26%	14,780 5.88%	7,558 3.82%	8,918 5.19%	7,607 4.93%
Red Flag Computation 5	1,071,109 14.30%	67,889 12.44%	90,764 14.20%	96,993 13.35%	106,345 14.96%	96,465 13.21%	129,060 16.20%	125,498 15.58%	107,233 17.73%	77,684 15.07%	53,550 13.70%	48,716 14.77%	32,100 12.17%	23,312 10.22%	15,500 7.71%
Red Flag Computation 6	352,307 4.70%	19,906 3.65%	36,117 5.65%	39,557 5.44%	42,098 5.92%	38,912 5.33%	45,031 5.65%	35,570 4.42%	38,529 6.37%	20,265 3.93%	15,337 3.92%	12,332 3.74%	5,568 2.11%	2,581 1.13%	504 0.25%
Red Flag Computation 7	4,472,451 59.72%	314,493 57.63%	366,105 57.28%	403,190 55.48%	421,195 59.24%	416,768 57.05%	452,665 56.82%	461,251 57.27%	370,361 61.22%	330,937 64.18%	267,364 68.40%	217,030 65.81%	174,429 66.12%	153,073 67.10%	123,590 61.47%
Red Flag Computation 8	3,286,167 43.88%	218,149 39.97%	264,100 41.32%	291,769 40.14%	304,165 42.78%	299,618 41.01%	316,866 39.77%	331,731 41.19%	275,814 45.59%	253,900 49.24%	208,246 53.28%	163,053 49.44%	135,564 51.39%	121,692 53.34%	101,500 50.49%
Red Flag Computation 9	217,081 3.77%	8,041 1.91%	13,094 2.65%	17,027 3.00%	19,813 3.63%	18,629 3.27%	35,091 5.63%	20,583 3.28%	19,173 4.18%	16,258 4.23%	18,441 6.32%	13,460 5.36%	5,821 2.94%	7,427 4.32%	4,223 2.74%
Red Flag Computation 10	245,142 4.25%	40,099 9.52%	29,540 5.97%	14,414 2.54%	13,483 2.47%	10,727 1.88%	13,328 2.14%	8,822 1.41%	14,696 3.20%	12,167 3.16%	11,173 3.83%	6,305 2.51%	4,460 2.25%	2,368 1.38%	63,560 41.18%
Red Flag Computation 11	188,530 3.27%	40,099 9.52%	29,540 5.97%	14,414 2.54%	13,483 2.47%	10,727 1.88%	13,328 2.14%	8,822 1.41%	14,696 3.20%	12,167 3.16%	11,173 3.83%	6,305 2.51%	4,460 2.25%	2,368 1.38%	6,948 4.50%
Red Flag Computation 12	405,449 7.04%	22,995 5.46%	38,169 7.72%	41,876 7.37%	41,058 7.52%	42,218 7.40%	42,562 6.82%	53,144 8.47%	38,053 8.29%	33,155 8.62%	25,186 8.63%	6,556 2.61%	6,455 3.26%	6,702 3.90%	7,320 4.74%
Red Flag Computation 13	964,814 16.74%	78,392 18.62%	111,430 22.53%	130,711 22.99%	129,818 23.77%	135,565 23.76%	157,246 25.21%	162,409 25.88%	27,499 5.99%	10,272 2.67%	9,164 3.14%	2,560 1.02%	2,690 1.36%	4,413 2.57%	2,645 1.71%
Red Flag Computation 14	208,413 3.62%	10,718 2.55%	25,078 5.07%	32,850 5.78%	27,217 4.98%	29,350 5.14%	25,290 4.05%	23,696 3.78%	19,670 4.29%	14,544 3.78%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	2,062,245 35.79%	138,728 32.95%	189,532 38.33%	230,080 40.47%	200,119 36.65%	212,435 37.24%	227,046 36.40%	226,184 36.04%	178,076 38.82%	134,334 34.92%	81,767 28.02%	78,712 31.34%	67,830 34.29%	53,910 31.36%	43,492 28.18%
Red Flag Computation 16	111,433 1.93%	0 0.00%	2,843 0.57%	43,839 7.71%	15,584 2.85%	14,042 2.46%	7,555 1.21%	13,108 2.09%	6,433 1.40%	5,035 1.31%	1,391 0.48%	1,147 0.46%	76 0.04%	380 0.22%	0 0.00%
Red Flag Computation 17	577,922 7.72%	48,464 8.88%	53,177 8.32%	50,003 6.88%	52,558 7.39%	51,034 6.99%	65,281 8.19%	52,611 6.53%	43,473 7.19%	33,903 6.58%	26,839 6.87%	26,597 8.06%	26,064 9.88%	23,914 10.48%	24,004 11.94%
Red Flag Computation 18	304,637 5.29%	22,257 5.29%	24,331 4.92%	31,647 5.57%	27,281 5.00%	28,538 5.00%	34,634 5.55%	28,669 4.57%	28,736 6.26%	20,735 5.39%	16,284 5.58%	15,763 6.28%	9,510 4.81%	8,342 4.85%	7,910 5.12%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary

Trumbull County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 19	131,811 2.29%	9,757 2.32%	9,597 1.94%	11,673 2.05%	10,734 1.97%	11,866 2.08%	17,652 2.83%	11,692 1.86%	13,572 2.96%	10,728 2.79%	8,763 3.00%	4,990 1.99%	4,477 2.26%	3,230 1.88%	3,080 2.00%
Red Flag Computation 20	367,809 6.38%	27,823 6.61%	32,963 6.67%	34,892 6.14%	35,239 6.45%	41,124 7.21%	46,619 7.47%	38,615 6.15%	27,239 5.94%	22,231 5.78%	18,040 6.18%	12,373 4.93%	11,903 6.02%	11,345 6.60%	7,403 4.80%
Red Flag Computation 21	256,875 4.46%	17,250 4.10%	22,810 4.61%	27,148 4.78%	22,007 4.03%	25,854 4.53%	32,477 5.21%	28,335 4.52%	22,136 4.83%	16,305 4.24%	12,631 4.33%	9,738 3.88%	6,145 3.11%	8,666 5.04%	5,373 3.48%
Red Flag Computation 22	1,468 0.03%	56 0.01%	56 0.01%	216 0.04%	199 0.04%	0 0.00%	430 0.07%	60 0.01%	249 0.05%	202 0.05%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 23	2,380 0.04%	0 0.00%	108 0.02%	220 0.04%	387 0.07%	60 0.01%	905 0.15%	30 0.00%	298 0.06%	372 0.10%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 24	341,454 5.93%	23,132 5.49%	31,197 6.31%	30,872 5.43%	30,957 5.67%	29,557 5.18%	34,210 5.48%	27,021 4.31%	28,274 6.16%	33,975 8.83%	23,725 8.13%	17,975 7.16%	9,200 4.65%	11,104 6.46%	10,255 6.64%
Red Flag Computation 25	366,583 6.36%	22,995 5.46%	38,169 7.72%	41,876 7.37%	41,058 7.52%	42,218 7.40%	42,562 8.47%	53,144 8.47%	26,024 5.67%	21,078 5.48%	17,306 5.93%	4,726 1.88%	5,147 2.60%	5,051 2.94%	5,229 3.39%
Red Flag Computation 26	961,208 16.68%	78,392 18.62%	111,430 22.53%	130,711 22.99%	129,818 23.77%	135,565 23.76%	157,246 25.21%	162,409 25.88%	26,374 5.75%	9,117 2.37%	8,214 2.81%	2,456 0.98%	2,630 1.33%	4,201 2.44%	2,645 1.71%
Red Flag Computation 27	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 28	280 0.00%	0 0.00%	240 0.05%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	40 0.01%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 29	151,613 2.63%	9,128 2.17%	17,893 3.62%	23,470 4.13%	18,615 3.41%	21,227 3.72%	18,050 2.89%	17,351 2.76%	15,135 3.30%	10,744 2.79%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 30	466,674 8.10%	32,661 7.76%	45,812 9.26%	63,465 11.16%	49,146 9.00%	49,972 8.76%	49,946 8.01%	52,833 8.42%	46,059 10.04%	35,097 9.12%	11,549 3.96%	9,555 3.80%	8,306 4.20%	7,604 4.42%	4,669 3.02%
Red Flag Computation 31	531,338 9.22%	16,959 4.03%	37,570 7.60%	65,658 11.55%	46,474 8.51%	57,961 10.16%	55,426 8.88%	64,541 10.28%	56,467 12.31%	39,354 10.23%	21,493 7.37%	21,700 8.64%	22,721 11.49%	11,174 6.50%	13,840 8.97%
Red Flag Computation 32	13,730 0.24%	0 0.00%	660 0.13%	6,660 1.17%	2,080 0.38%	1,580 0.28%	580 0.09%	1,510 0.24%	300 0.07%	240 0.06%	0 0.00%	0 0.00%	0 0.00%	120 0.07%	0 0.00%
Red Flag Computation 33	84,705 1.47%	8,591 2.04%	7,683 1.55%	8,999 1.58%	8,103 1.48%	8,010 1.40%	8,602 1.38%	7,282 1.16%	5,270 1.15%	6,634 1.72%	5,296 1.81%	4,924 1.96%	2,416 1.22%	2,405 1.40%	490 0.32%
Red Flag Computation 34	73,795 1.28%	190 0.05%	1,494 0.30%	1,860 0.33%	1,930 0.35%	3,140 0.55%	3,246 0.52%	3,005 0.48%	5,380 1.17%	4,816 1.25%	14,748 5.05%	16,208 6.45%	10,327 5.22%	4,081 2.37%	3,370 2.18%
Red Flag Computation 35	395,187 6.86%	61,206 14.54%	48,263 9.76%	46,878 8.25%	34,807 6.37%	40,831 7.16%	33,797 5.42%	30,221 4.82%	25,011 5.45%	19,485 5.06%	12,778 4.38%	12,207 4.86%	9,691 4.90%	8,369 4.87%	11,643 7.54%
Red Flag Computation 36	226,443 3.93%	29,392 6.98%	24,737 5.00%	24,903 4.38%	18,264 3.34%	22,475 3.94%	24,488 3.93%	15,376 2.45%	14,982 3.27%	12,610 3.28%	10,398 3.56%	10,310 4.10%	7,437 3.76%	4,944 2.88%	6,127 3.97%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH

Red Flag Computation 1-43, in Dosage Units

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Dosage Units of Combination Red Flagged Prescriptions	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
Total Dosage Units of Combination Red Flagged Opioid Prescriptions	5,762,548	421,061	494,516	568,468	546,073	570,491	623,831	627,544	458,764	384,718	291,795	251,188	197,816	171,931	154,352
Red Flag Computation 37	25,875	684	720	800	940	720	612	850	3,620	2,820	2,560	4,320	3,329	3,540	360
	0.45%	0.16%	0.15%	0.14%	0.17%	0.13%	0.10%	0.14%	0.79%	0.73%	0.88%	1.72%	1.68%	2.06%	0.23%
Red Flag Computation 38	4,086,240	280,580	337,219	369,940	378,595	374,014	406,389	425,031	347,251	307,308	246,405	199,701	158,612	137,587	117,608
	54.56%	51.41%	52.76%	50.90%	53.25%	51.20%	51.01%	52.77%	57.40%	59.60%	63.04%	60.55%	60.13%	60.31%	58.50%
Red Flag Computation 39	344,429	19,906	36,117	39,557	42,098	38,912	45,031	35,570	34,265	19,100	14,887	11,327	5,024	2,131	504
	4.60%	3.65%	5.65%	5.44%	5.92%	5.33%	5.65%	4.42%	5.66%	3.70%	3.81%	3.43%	1.90%	0.93%	0.25%
Red Flag Computation 40	123,092	7,756	9,760	8,062	13,100	11,494	13,536	8,392	7,508	7,367	9,267	8,189	6,210	7,228	5,223
	2.14%	1.84%	1.97%	1.42%	2.40%	2.01%	2.17%	1.34%	1.64%	1.91%	3.18%	3.26%	3.14%	4.20%	3.38%
Red Flag Computation 41	1,683,672	118,274	148,555	176,498	164,282	152,871	173,224	190,106	129,577	111,792	80,566	76,704	60,285	52,526	48,412
	22.48%	21.67%	23.24%	24.28%	23.11%	20.93%	21.74%	23.60%	21.42%	21.68%	20.61%	23.26%	22.85%	23.02%	24.08%
Red Flag Computation 42	455,769	46,991	42,588	49,669	48,460	47,826	60,040	47,403	35,393	29,123	13,570	9,640	8,922	7,790	8,354
	6.09%	8.61%	6.66%	6.83%	6.82%	6.55%	7.54%	5.89%	5.85%	5.65%	3.47%	2.92%	3.38%	3.41%	4.16%
Red Flag Computation 43	3,427	0	0	2,660	312	339	65	51	0	0	0	0	0	0	0
	0.05%	0.00%	0.00%	0.37%	0.04%	0.05%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Flagged for Any of the Red Flag Computation 1-43	7,489,503	545,740	639,183	726,788	711,000	730,513	796,671	805,395	604,949	515,617	390,886	329,794	263,794	228,128	201,045
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Notes

Defendant

CVS
Giant Eagle/HBC
Rite Aid
Walgreens
Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
January 1, 2006 to December 3, 2019
January 1, 2006 to November 19, 2019
January 3, 2006 to January 3, 2020
January 2, 2006 to April 25, 2018

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
 Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 1	922,888 1.13%	87,040 1.33%	91,398 1.33%	119,370 1.48%	124,958 1.60%	94,954 1.23%	109,398 1.29%	68,420 0.83%	43,415 0.71%	59,870 1.08%	28,068 0.58%	21,444 0.57%	12,068 0.42%	11,095 0.44%	51,393 2.39%
Red Flag Computation 2	13,102,017 16.06%	958,988 14.62%	1,109,657 16.20%	1,289,242 15.95%	1,196,416 15.28%	1,088,742 14.11%	1,331,111 15.75%	1,232,376 15.04%	964,784 15.67%	786,978 14.18%	589,474 12.13%	618,326 16.41%	692,450 23.89%	695,215 27.39%	548,260 25.53%
Red Flag Computation 3	15,542,599 19.05%	1,185,152 18.06%	1,342,173 19.60%	1,767,042 21.86%	1,652,527 21.10%	1,438,269 18.63%	1,804,837 21.36%	1,753,225 21.39%	1,136,234 18.46%	884,307 15.94%	665,839 13.71%	654,097 17.36%	568,979 19.63%	436,790 17.21%	253,131 11.79%
Red Flag Computation 4	4,790,598 5.87%	325,984 4.97%	566,006 8.27%	510,838 6.32%	416,395 5.32%	346,180 4.48%	476,366 5.64%	460,788 5.62%	390,409 6.34%	472,827 8.52%	268,833 5.53%	191,591 5.09%	110,788 3.82%	133,743 5.27%	119,853 5.58%
Red Flag Computation 5	9,016,246 11.05%	520,755 7.94%	581,958 8.50%	750,605 9.28%	1,160,743 14.82%	889,316 11.52%	1,151,312 13.63%	979,019 11.95%	771,036 12.52%	606,279 10.93%	397,932 8.19%	349,379 9.27%	267,879 9.24%	360,593 14.21%	229,443 10.68%
Red Flag Computation 6	2,330,057 2.86%	118,993 1.81%	149,408 2.18%	152,828 1.89%	309,968 3.96%	320,462 4.15%	429,975 5.09%	243,848 2.98%	246,910 4.01%	153,630 2.77%	66,263 1.36%	80,965 2.15%	40,370 1.39%	14,305 0.56%	2,135 0.10%
Red Flag Computation 7	43,960,959 53.87%	3,192,702 48.66%	3,355,196 49.00%	3,673,093 45.43%	4,152,726 53.03%	4,115,366 53.32%	4,604,693 54.50%	4,277,950 52.20%	3,593,057 58.37%	3,382,464 60.96%	3,180,572 65.48%	2,216,859 58.84%	1,639,551 56.56%	1,460,748 57.56%	1,115,982 51.97%
Red Flag Computation 8	26,272,762 32.20%	1,865,388 28.43%	2,064,009 30.14%	2,031,320 25.12%	2,274,008 29.04%	2,499,010 32.38%	2,840,256 33.62%	2,588,819 31.59%	2,147,889 34.89%	1,964,351 35.40%	1,923,782 39.60%	1,380,172 36.63%	1,041,778 35.94%	873,783 34.43%	778,200 36.24%
Red Flag Computation 9	3,088,702 3.79%	108,169 1.65%	204,099 2.98%	179,687 2.22%	219,451 2.80%	227,398 2.95%	564,403 6.68%	234,785 2.86%	278,793 4.53%	237,965 4.29%	290,033 5.97%	227,436 6.04%	119,211 4.11%	137,438 5.42%	59,838 2.79%
Red Flag Computation 10	17,397,067 21.32%	2,053,870 31.30%	1,480,678 21.62%	1,614,980 19.98%	1,660,845 21.21%	1,391,355 18.03%	1,556,120 18.42%	1,309,030 15.97%	1,226,700 19.93%	1,234,745 22.25%	1,318,554 27.14%	639,760 16.98%	365,190 12.60%	236,540 9.32%	1,308,700 60.94%
Red Flag Computation 11	16,467,507 20.18%	2,053,870 31.30%	1,480,678 21.62%	1,614,980 19.98%	1,660,845 21.21%	1,391,355 18.03%	1,556,120 18.42%	1,309,030 15.97%	1,226,700 19.93%	1,234,745 22.25%	1,318,554 27.14%	639,760 16.98%	365,190 12.60%	236,540 9.32%	379,140 17.65%
Red Flag Computation 12	3,775,210 4.63%	178,500 2.72%	325,695 4.76%	380,890 4.71%	358,555 4.58%	396,293 5.13%	399,828 4.73%	477,095 5.82%	350,665 5.70%	327,200 5.90%	276,688 5.70%	62,345 1.65%	67,593 2.33%	80,673 3.18%	93,193 4.34%
Red Flag Computation 13	8,390,201 10.28%	611,593 9.32%	923,353 13.48%	1,116,138 13.81%	1,091,235 13.93%	1,217,758 15.78%	1,429,820 16.92%	1,404,958 17.14%	247,765 4.02%	101,890 1.84%	102,045 2.10%	25,870 0.69%	27,369 0.94%	52,505 2.07%	37,905 1.77%
Red Flag Computation 14	1,669,880 2.05%	83,415 1.27%	193,575 2.83%	266,585 3.30%	217,898 2.78%	243,250 3.15%	202,878 2.40%	189,460 2.31%	160,865 2.61%	111,955 2.02%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 15	42,652,061 52.27%	3,267,718 49.80%	3,657,727 53.42%	4,718,009 58.36%	4,390,310 56.06%	4,031,938 52.24%	4,217,526 49.92%	4,158,809 50.75%	3,203,077 52.03%	2,904,130 52.34%	2,561,380 52.73%	1,939,165 51.47%	1,464,087 50.51%	1,308,879 51.58%	829,307 38.62%
Red Flag Computation 16	992,537 1.22%	0 0.00%	21,490 0.31%	385,193 4.76%	154,675 1.98%	123,644 1.60%	69,503 0.82%	121,505 1.48%	44,823 0.73%	49,283 0.89%	10,288 0.21%	7,295 0.19%	1,020 0.04%	3,820 0.15%	0 0.00%
Red Flag Computation 17	7,698,517 9.43%	532,133 8.11%	725,694 10.60%	884,367 10.94%	745,855 9.52%	631,396 8.18%	806,920 9.55%	687,449 8.39%	517,405 8.40%	333,537 6.01%	266,515 5.49%	321,906 8.54%	400,851 13.83%	472,213 18.61%	372,279 17.34%
Red Flag Computation 18	3,813,549 4.67%	308,641 4.70%	357,070 5.21%	398,334 4.93%	336,103 4.29%	292,614 3.79%	449,984 5.33%	384,144 4.69%	327,696 5.32%	217,522 3.92%	199,062 4.10%	174,156 4.62%	141,420 4.88%	124,646 4.91%	102,160 4.76%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 19	1,831,975 2.24%	121,663 1.85%	153,243 2.24%	158,784 1.96%	157,115 2.01%	135,363 1.75%	281,742 3.33%	181,105 2.21%	159,088 2.58%	137,298 2.47%	125,759 2.59%	50,928 1.35%	70,174 2.42%	43,797 1.73%	55,920 2.60%
Red Flag Computation 20	6,218,216 7.62%	522,913 7.97%	588,495 8.59%	735,706 9.10%	709,699 9.06%	646,977 8.38%	789,148 9.34%	673,471 8.22%	357,487 5.81%	294,618 5.31%	273,152 5.62%	140,276 3.72%	201,122 6.94%	160,326 6.32%	124,828 5.81%
Red Flag Computation 21	3,877,130 4.75%	250,880 3.82%	361,459 5.28%	411,194 5.09%	326,089 4.16%	364,250 4.72%	571,535 6.76%	443,763 5.41%	333,563 5.42%	189,664 3.42%	204,087 4.20%	115,922 3.08%	117,948 4.07%	120,090 4.73%	66,689 3.11%
Red Flag Computation 22	28,948 0.04%	420 0.01%	380 0.01%	1,960 0.02%	1,263 0.02%	0 0.00%	18,025 0.21%	450 0.01%	3,585 0.06%	2,865 0.05%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 23	53,685 0.07%	0 0.00%	2,000 0.03%	1,530 0.02%	2,798 0.04%	300 0.00%	28,913 0.34%	225 0.00%	4,330 0.07%	13,590 0.24%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 24	5,816,680 7.13%	477,893 7.28%	626,751 9.15%	637,660 7.89%	519,605 6.64%	463,506 6.00%	605,362 7.16%	470,371 5.74%	430,300 6.99%	522,424 9.41%	339,782 6.99%	259,661 6.89%	134,837 4.65%	171,286 6.75%	157,245 7.32%
Red Flag Computation 25	3,371,985 4.13%	178,500 2.72%	325,695 4.76%	380,890 4.71%	358,555 4.58%	396,293 5.13%	399,828 5.82%	477,095 5.82%	237,098 3.85%	208,105 3.75%	187,118 3.85%	42,620 1.13%	52,293 1.80%	59,733 2.35%	68,165 3.17%
Red Flag Computation 26	8,352,996 10.24%	611,593 9.32%	923,353 13.48%	1,116,138 13.81%	1,091,235 13.93%	1,217,758 15.78%	1,429,820 16.92%	1,404,958 17.14%	238,490 3.87%	90,365 1.63%	90,395 1.86%	24,900 0.66%	26,469 0.91%	49,620 1.96%	37,905 1.77%
Red Flag Computation 27	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 28	2,000 0.00%	0 0.00%	1,800 0.03%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	200 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 29	1,205,995 1.48%	71,190 1.08%	138,325 2.02%	187,803 2.32%	147,333 1.88%	173,843 2.25%	143,378 1.70%	136,155 1.66%	124,915 2.03%	83,055 1.50%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Red Flag Computation 30	5,858,149 7.18%	511,960 7.80%	591,002 8.63%	772,804 9.56%	605,153 7.73%	593,507 7.69%	577,720 6.84%	588,355 7.18%	525,279 8.53%	444,791 8.02%	195,145 4.02%	144,129 3.83%	130,072 4.49%	124,402 4.90%	53,833 2.51%
Red Flag Computation 31	5,819,137 7.13%	237,273 3.62%	334,633 4.89%	637,180 7.88%	467,420 5.97%	588,198 7.62%	533,203 6.31%	658,645 8.04%	542,232 8.81%	405,825 7.31%	495,048 10.19%	294,428 7.82%	293,670 10.13%	155,970 6.15%	175,415 8.17%
Red Flag Computation 32	141,055 0.17%	0 0.00%	5,325 0.08%	72,970 0.90%	18,655 0.24%	12,040 0.16%	9,220 0.11%	17,560 0.21%	1,500 0.02%	1,865 0.03%	0 0.00%	0 0.00%	0 0.00%	1,920 0.08%	0 0.00%
Red Flag Computation 33	3,539,867 4.34%	264,893 4.04%	264,945 3.87%	384,728 4.76%	263,685 3.37%	400,074 5.18%	404,347 4.79%	285,015 3.48%	200,102 3.25%	393,125 7.08%	275,785 5.68%	239,090 6.35%	79,250 2.73%	72,290 2.85%	12,540 0.58%
Red Flag Computation 34	1,588,069 1.95%	7,600 0.12%	37,440 0.55%	62,852 0.78%	59,250 0.76%	121,389 1.57%	58,995 0.70%	126,353 1.54%	193,625 3.15%	148,568 2.68%	254,030 5.23%	280,115 7.44%	155,123 5.35%	49,748 1.96%	32,983 1.54%
Red Flag Computation 35	7,361,260 9.02%	1,041,451 15.87%	781,523 11.41%	791,574 9.79%	668,615 8.54%	868,170 11.25%	676,374 8.01%	473,404 5.78%	421,176 6.84%	541,658 9.76%	293,539 6.04%	255,423 6.78%	198,017 6.83%	169,784 6.69%	180,554 8.41%
Red Flag Computation 36	2,480,788 3.04%	312,246 4.76%	296,261 4.33%	300,255 3.71%	204,065 2.61%	194,379 2.52%	291,638 3.45%	180,627 2.20%	148,539 2.41%	156,185 2.81%	96,460 1.99%	104,473 2.77%	74,435 2.57%	41,005 1.62%	80,221 3.74%

Giant Eagle/HBC Combination Red Flagged Prescriptions Summary
Trumbull County, OH
Red Flag Computation 1-43, in MME

	Total	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total MME of Combination Red Flagged Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Total MME of Combination Red Flagged Opioid Prescriptions	81,602,987	6,561,600	6,847,728	8,084,880	7,831,225	7,718,728	8,449,231	8,195,339	6,156,093	5,548,934	4,857,677	3,767,370	2,898,833	2,537,809	2,147,541
Red Flag Computation 37	299,903 0.37%	7,695 0.12%	8,100 0.12%	9,000 0.11%	10,575 0.14%	8,100 0.10%	6,885 0.08%	5,938 0.07%	20,350 0.33%	21,075 0.38%	36,375 0.75%	62,100 1.65%	46,898 1.62%	51,750 2.04%	5,063 0.24%
Red Flag Computation 38	34,179,384 41.88%	2,599,408 39.62%	2,801,440 40.91%	3,063,799 37.90%	3,027,520 38.66%	3,135,348 40.62%	3,596,182 42.56%	3,511,799 42.85%	2,699,615 43.85%	2,473,632 44.58%	2,293,943 47.22%	1,737,392 46.12%	1,264,837 43.63%	1,033,817 40.74%	940,653 43.80%
Red Flag Computation 39	2,259,007 2.77%	118,993 1.81%	149,408 2.18%	152,828 1.89%	309,968 3.96%	320,462 4.15%	429,975 5.09%	243,848 2.98%	212,785 3.46%	142,280 2.56%	61,988 1.28%	66,715 1.77%	36,020 1.24%	11,605 0.46%	2,135 0.10%
Red Flag Computation 40	5,406,139 6.62%	297,939 4.54%	279,400 4.08%	299,930 3.71%	559,414 7.14%	509,513 6.60%	558,215 6.61%	483,623 5.90%	371,035 6.03%	496,895 8.95%	527,233 10.85%	330,012 8.76%	250,391 8.64%	238,057 9.38%	204,484 9.52%
Red Flag Computation 41	16,170,479 19.82%	1,335,111 20.35%	1,311,857 19.16%	1,741,677 21.54%	1,606,845 20.52%	1,477,620 19.14%	1,899,165 22.48%	1,699,198 20.73%	1,084,318 17.61%	999,013 18.00%	959,938 19.76%	777,231 20.63%	458,003 15.80%	420,058 16.55%	400,449 18.65%
Red Flag Computation 42	5,485,454 6.72%	399,330 6.09%	291,472 4.26%	615,218 7.61%	850,770 10.86%	704,482 9.13%	758,284 8.97%	395,067 4.82%	400,347 6.50%	426,497 7.69%	153,895 3.17%	84,446 2.24%	125,464 4.33%	200,295 7.89%	79,888 3.72%
Red Flag Computation 43	11,825 0.01%	0 0.00%	0 0.00%	9,990 0.12%	285 0.00%	1,095 0.01%	350 0.00%	105 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Flagged for Any of the Red Flag Computation 1-43	81,602,987 100.00%	6,561,600 100.00%	6,847,728 100.00%	8,084,880 100.00%	7,831,225 100.00%	7,718,728 100.00%	8,449,231 100.00%	8,195,339 100.00%	6,156,093 100.00%	5,548,934 100.00%	4,857,677 100.00%	3,767,370 100.00%	2,898,833 100.00%	2,537,809 100.00%	2,147,541 100.00%

NotesDefendant

CVS
Giant Eagle/HBC
Rite Aid
Walgreens
Wal-Mart

Date Range

January 1, 2006 to November 29, 2019
January 1, 2006 to December 3, 2019
January 1, 2006 to November 19, 2019
January 3, 2006 to January 3, 2020
January 2, 2006 to April 25, 2018

F. Combination Red Flagged Prescriptions –
Red Flag Computation 1-43 No of Flags Triggered

Lake County and Trumbull County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-43

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	141,651		175,609		37,379		125,994		209,395		690,028	
Opioid Prescriptions Flagged - 4+ Methods	61,015	43 07%	87,341	49 74%	16,291	43 58%	50,205	39 85%	112,881	53 91%	327,733	47 50%
Opioid Prescriptions Flagged - 5+ Methods	33,430	23 60%	51,543	29 35%	8,808	23 56%	26,418	20 97%	70,504	33 67%	190,703	27 64%
Opioid Prescriptions Flagged - 6+ Methods	18,208	12 85%	29,412	16 75%	4,830	12 92%	13,888	11 02%	42,143	20 13%	108,481	15 72%
Opioid Prescriptions Flagged - 7+ Methods	9,258	6 54%	16,145	9 19%	2,554	6 83%	7,041	5 59%	23,967	11 45%	58,965	8 55%
Opioid Prescriptions Flagged - 8+ Methods	4,515	3 19%	8,285	4 72%	1,356	3 63%	3,461	2 75%	13,027	6 22%	30,644	4 44%
Opioid Prescriptions Flagged - 9+ Methods	2,222	1 57%	4,194	2 39%	732	1 96%	1,764	1 40%	6,938	3 31%	15,850	2 30%
Opioid Prescriptions Flagged - 10+ Methods	1,083	0 76%	1,925	1 10%	359	0 96%	824	0 65%	3,685	1 76%	7,876	1 14%
Opioid Prescriptions Flagged - 11+ Methods	496	0 35%	872	0 50%	135	0 36%	334	0 27%	1,814	0 87%	3,651	0 53%
Opioid Prescriptions Flagged - 12+ Methods	220	0 16%	373	0 21%	77	0 21%	131	0 10%	967	0 46%	1,768	0 26%
Opioid Prescriptions Flagged - 13+ Methods	106	0 07%	150	0 09%	27	0 07%	64	0 05%	478	0 23%	825	0 12%
Opioid Prescriptions Flagged - 14+ Methods	37	0 03%	71	0 04%	14	0 04%	21	0 02%	212	0 10%	355	0 05%
Opioid Prescriptions Flagged - 15+ Methods	12	0 01%	28	0 02%	6	0 02%	7	0 01%	76	0 04%	129	0 02%
Opioid Prescriptions Flagged - 16+ Methods	5	0 00%	12	0 01%	2	0 01%	1	0 00%	30	0 01%	50	0 01%
Opioid Prescriptions Flagged - 17+ Methods	0	0 00%	4	0 00%	0	0 00%	0	0 00%	9	0 00%	13	0 00%
Opioid Prescriptions Flagged - 18+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	3	0 00%	3	0 00%
Opioid Prescriptions Flagged - 19+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	2	0 00%	2	0 00%
Opioid Prescriptions Flagged - 20+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	2	0 00%	2	0 00%

NotesDefendantDate Range

CVS January 1, 2006 to November 29, 2019
Giant Eagle/HBC January 1, 2006 to December 3, 2019
Rite Aid January 1, 2006 to November 19, 2019
Walgreens January 3, 2006 to January 3, 2020
Wal-Mart January 2, 2006 to April 25, 2018

Lake County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-43

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	91,066		80,894		26,709		45,795		59,259		303,723	
Opioid Prescriptions Flagged - 4+ Methods	39,657	43 55%	35,816	44 28%	12,020	45 00%	16,262	35 51%	31,908	53 84%	135,663	44 67%
Opioid Prescriptions Flagged - 5+ Methods	21,947	24 10%	20,039	24 77%	6,724	25 18%	8,215	17 94%	19,557	33 00%	76,482	25 18%
Opioid Prescriptions Flagged - 6+ Methods	11,958	13 13%	11,045	13 65%	3,728	13 96%	4,208	9 19%	11,182	18 87%	42,121	13 87%
Opioid Prescriptions Flagged - 7+ Methods	6,214	6 82%	5,768	7 13%	2,022	7 57%	2,007	4 38%	6,421	10 84%	22,432	7 39%
Opioid Prescriptions Flagged - 8+ Methods	3,158	3 47%	2,954	3 65%	1,155	4 32%	950	2 07%	3,544	5 98%	11,761	3 87%
Opioid Prescriptions Flagged - 9+ Methods	1,519	1 67%	1,442	1 78%	643	2 41%	460	1 00%	1,858	3 14%	5,922	1 95%
Opioid Prescriptions Flagged - 10+ Methods	741	0 81%	642	0 79%	333	1 25%	210	0 46%	945	1 59%	2,871	0 95%
Opioid Prescriptions Flagged - 11+ Methods	347	0 38%	299	0 37%	127	0 48%	98	0 21%	434	0 73%	1,305	0 43%
Opioid Prescriptions Flagged - 12+ Methods	169	0 19%	128	0 16%	72	0 27%	39	0 09%	233	0 39%	641	0 21%
Opioid Prescriptions Flagged - 13+ Methods	92	0 10%	55	0 07%	24	0 09%	20	0 04%	97	0 16%	288	0 09%
Opioid Prescriptions Flagged - 14+ Methods	31	0 03%	29	0 04%	13	0 05%	11	0 02%	43	0 07%	127	0 04%
Opioid Prescriptions Flagged - 15+ Methods	10	0 01%	16	0 02%	6	0 02%	4	0 01%	13	0 02%	49	0 02%
Opioid Prescriptions Flagged - 16+ Methods	5	0 01%	7	0 01%	2	0 01%	1	0 00%	3	0 01%	18	0 01%
Opioid Prescriptions Flagged - 17+ Methods	0	0 00%	3	0 00%	0	0 00%	0	0 00%	2	0 00%	5	0 00%
Opioid Prescriptions Flagged - 18+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	1	0 00%	1	0 00%
Opioid Prescriptions Flagged - 19+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	0	0 00%	0	0 00%
Opioid Prescriptions Flagged - 20+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	0	0 00%	0	0 00%

Notes

<u>Defendant</u>	<u>Date Range</u>
CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018

Trumbull County, OH
Summary of Combination Red Flagged Opioid Prescriptions
Red Flag Computation 1-43

Defendant	CVS		Walgreens		Wal-Mart		Giant Eagle/HBC		Rite Aid		Total	
Total # of Combination Red Flagged Opioid Prescriptions	50,585		94,715		10,670		80,199		150,136		386,305	
Opioid Prescriptions Flagged - 4+ Methods	21,358	42 22%	51,525	54 40%	4,271	40 03%	33,943	42 32%	80,973	53 93%	192,070	49 72%
Opioid Prescriptions Flagged - 5+ Methods	11,483	22 70%	31,504	33 26%	2,084	19 53%	18,203	22 70%	50,947	33 93%	114,221	29 57%
Opioid Prescriptions Flagged - 6+ Methods	6,250	12 36%	18,367	19 39%	1,102	10 33%	9,680	12 07%	30,961	20 62%	66,360	17 18%
Opioid Prescriptions Flagged - 7+ Methods	3,044	6 02%	10,377	10 96%	532	4 99%	5,034	6 28%	17,546	11 69%	36,533	9 46%
Opioid Prescriptions Flagged - 8+ Methods	1,357	2 68%	5,331	5 63%	201	1 88%	2,511	3 13%	9,483	6 32%	18,883	4 89%
Opioid Prescriptions Flagged - 9+ Methods	703	1 39%	2,752	2 91%	89	0 83%	1,304	1 63%	5,080	3 38%	9,928	2 57%
Opioid Prescriptions Flagged - 10+ Methods	342	0 68%	1,283	1 35%	26	0 24%	614	0 77%	2,740	1 83%	5,005	1 30%
Opioid Prescriptions Flagged - 11+ Methods	149	0 29%	573	0 60%	8	0 07%	236	0 29%	1,380	0 92%	2,346	0 61%
Opioid Prescriptions Flagged - 12+ Methods	51	0 10%	245	0 26%	5	0 05%	92	0 11%	734	0 49%	1,127	0 29%
Opioid Prescriptions Flagged - 13+ Methods	14	0 03%	95	0 10%	3	0 03%	44	0 05%	381	0 25%	537	0 14%
Opioid Prescriptions Flagged - 14+ Methods	6	0 01%	42	0 04%	1	0 01%	10	0 01%	169	0 11%	228	0 06%
Opioid Prescriptions Flagged - 15+ Methods	2	0 00%	12	0 01%	0	0 00%	3	0 00%	63	0 04%	80	0 02%
Opioid Prescriptions Flagged - 16+ Methods	0	0 00%	5	0 01%	0	0 00%	0	0 00%	27	0 02%	32	0 01%
Opioid Prescriptions Flagged - 17+ Methods	0	0 00%	1	0 00%	0	0 00%	0	0 00%	7	0 00%	8	0 00%
Opioid Prescriptions Flagged - 18+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	2	0 00%	2	0 00%
Opioid Prescriptions Flagged - 19+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	2	0 00%	2	0 00%
Opioid Prescriptions Flagged - 20+ Methods	0	0 00%	0	0 00%	0	0 00%	0	0 00%	2	0 00%	2	0 00%

NotesDefendantDate Range

CVS	January 1, 2006 to November 29, 2019
Giant Eagle/HBC	January 1, 2006 to December 3, 2019
Rite Aid	January 1, 2006 to November 19, 2019
Walgreens	January 3, 2006 to January 3, 2020
Wal-Mart	January 2, 2006 to April 25, 2018